

REVISED ROUND 1 APPLICATION
APPLICATION FOR THE CLEAN OHIO CONSERVATION FUND
October 2001
SUMMARY SHEET *CB AAF*

IMPORTANT: Please consult the "Instructions for Completing the Project Application" for assistance with this form.

APPLICANT: Village of Fairfax **CODE #** (If Unknown Call OPWC)

DISTRICT NUMBER: 02 **COUNTY:** Hamilton **DATE** 6/25/03

CONTACT: Jennifer M. Kaminer **PHONE #** (513) 527-6503 (THE PROJECT CONTACT PERSON SHOULD BE THE INDIVIDUAL WHO WILL BE AVAILABLE DURING BUSINESS HOURS AND WHO CAN BEST ANSWER OR COORDINATE THE RESPONSE TO QUESTIONS)

FAX: (513) 271-4178 **E-MAIL** jkaminer@fuse.net

PROJECT NAME: Little Duck Creek Restoration Project

ELIGIBLE APPLICANT

(Check Only 1)

- ☐ A. County (1)
☐ B. City (2)
☐ C. Township (3)
☒ D. Village(4)
☐ E. Conservancy District (6)
☐ F. Soil & Water
Conservation District (7)
☐ G. Joint Recreational District (8)
☐ H. Park District/ Authority (9)
☐ I. Nonprofit Organization (10)
☐ J. Other _____ (11)

PROJECT TYPE

(Check Largest Component)

- ☐ A. Open Space (7)
☒ B. Riparian Corridor (8)

PRIMARY PROJECT EMPHASIS 15

(Choose a category from Attachment A which most closely describes our primary project emphasis.)

ESTIMATED TOTAL

PROJECT COST (from 1.1f): \$ 420,000 **CLEAN OHIO CONSERVATION**
FUNDING REQUESTED: (from 1.2e) \$ 315,000

NRAC APPROVAL - To be completed by the NRAC Committee ONLY

GRANT: \$ _____

FOR OPWC USE ONLY

PROJECT NUMBER: _____ **APPROVED FUNDING:** \$ _____

Local Participation _____ % **Project Release Date:** _____

Clean Ohio Fund Participation _____ %

1.0 PROJECT FINANCIAL INFORMATION

1.1 PROJECT ESTIMATED COSTS: TOTAL DOLLARS In Kind

(Round to Nearest Dollar) Dollars

(See definition in instructions.)

- a.) Acquisition Expenses: \$ 385,000 .00 92%
- Fee Simple Purchase \$ _____
- Easement Purchase \$ _____
- Other _____ \$ _____
-
- b.) Planning and Implementation: \$ 3,000 .00 1%
- Appraisal \$ 1,000
- Closing Costs \$ 1,000
- Title Search \$ 1,000
- Environmental Assessments \$ _____
- Design \$ _____
- Other Eligible _____
- Costs \$ _____
-
- c.) Construction or Enhancement of Facilities: \$ 17,000 .00 4% Razing of structures; removal of foundations
-
- d.) Permits, Advertising, Legal: \$ _____ .00 _____
-
- e.) Contingencies: \$ 15,000 .00 3%
- (not to exceed 10% of total costs)
-
- f.) TOTAL ESTIMATED COSTS: \$ 420,000 .00 100%

1.2 PROJECT FINANCIAL RESOURCES:

(Round to Nearest Dollar and Percent)

	DOLLARS	%
a.) In-Kind Contributions (Please define) <u>Razing/demolition of structures/ Removal of debris</u>	\$ <u>17,000 .00</u>	<u>4</u>
b.) Applicant Contributions (Local Funds)	\$ <u>88,000 .00</u>	<u>21</u>
c.) Other Public Revenues		
Nature Works	\$ <u>.00</u>	<u></u>
Land Water Conservation Fund	\$ <u>.00</u>	<u></u>
Ohio Environmental Protection Agency	\$ <u>.00</u>	<u></u>
Ohio Water Development Authority	\$ <u>.00</u>	<u></u>
Community Development Block Grant	\$ <u>.00</u>	<u></u>
Ohio Department of Natural Resources	\$ <u>.00</u>	<u></u>
OTHER <u></u>	\$ <u>.00</u>	<u></u>
d.) Private Contributions	\$ <u>.00</u>	<u></u>

SUBTOTAL LOCAL RESOURCES:

\$ 105,000 .00 25

e.) CLEAN OHIO CONSERVATION FUND:

\$ 315,000 .00 75

Funds from another NRAC

\$.00

SUBTOTAL CLEAN OHIO RESOURCES:

\$ 315,000 .00

f.) TOTAL FINANCIAL RESOURCES:

\$ 420,000 .00 100%

1.3 AVAILABILITY OF LOCAL FUNDS:

Attach a statement signed by the Chief Financial Officer listed in section 4.2 certifying all local share funds required for the project will be available on or before the earliest date listed in the Project Schedule section.

2.0 PROJECT INFORMATION

If the project is multi-jurisdictional, information must be consolidated in this section.

X Please check here if additional documentation is attached.

2.1 BRIEF PROJECT DESCRIPTION - (Sections A through E):

A: SPECIFIC LOCATION: Please attach a map.

Eastern portion of the Little Duck Creek floodplain in the Village of Fairfax.
Specific properties to be acquired are denoted on the attached map.

PROJECT COUNTY: Hamilton PROJECT ZIP CODE: 45227

B: PROJECT COMPONENTS: Please describe the various project components.

Acquire four residential properties that abut the Little Duck Creek watershed.
Remove all structures and foundations; turn property into greenspace that
protects the riparian corridor; establish permanent conservation easements on
all four properties, to be held by the Village of Fairfax.

C: PROJECT EMPHASIS AS DEFINED BY SECTIONS 164.22 (A) (B) OF THE OHIO REVISED CODE AND LISTED IN APPENDIX A: Please describe.

Fee simple acquisition of land to preserve and restore floodplain; to provide access
to the riparian corridor; to establish permanent conservation easements for
the protection of the riparian corridor

D: DEFINE TERMS OF EASEMENTS:

PLEASE REFER TO SECTION 164.26 OF THE OHIO REVISED CODE.

Fee simple acquisition of 4 residential properties; establish permanent
conservation easements on each property.

E: INFORMATION REGARDING PUBLIC ACCESS

Where is the access located? Is it open to the general public or are there restrictions? What are the
hours of availability? Will the general public be given the opportunity to participate in the planning
of the project?

Access to the Little Duck Creek corridor is possible at various sites within
the project area. There will be no restrictions to the public.

2.2 OWNERSHIP/MANAGEMENT/OPERATION: Please address.

The Village of Fairfax will retain ownership of all four properties as well as
establish permanent conservation easements to be held by the Village in perpetuity.

ATTACHMENTS/COMPLETENESS REVIEW:

BE CERTAIN EACH OF THE ITEMS LISTED BELOW IS ATTACHED. YOUR APPLICATION MAY BE DELAYED OR REJECTED IF THE INFORMATION IS OMITTED OR INCOMPLETE. FOR YOUR CONVENIENCE, SAMPLE DOCUMENTS ARE ATTACHED TO THESE INSTRUCTIONS.

A certified copy of the authorization by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts with the commission. This individual should sign under 6.0, Applicant Certification, below.

A certification signed by the applicant's chief financial officer stating all local share funds required for the project will be available on or before the dates listed in the Project Schedule section.

A formal detailed estimate of the project's costs provided by an architect, landscape architect, or other professional. For land acquisition, an appraisal by a State-certified general real estate appraiser, as defined under ORC 4763 for the type of land being appraised will need to be submitted to the NRAC prior to closing.

A cooperation agreement, (if the project involves more than entity) which identifies the fiscal and administrative responsibilities of each participant.

Resolution of Support (please refer to section 164.23(B)(1) of the Ohio Revised Code for guidance.)

Identification of any participation by state agencies that may have expertise regarding the particular project and that may provide assistance with respect to the project.

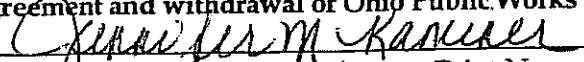
Information concerning the coordination of the project among local political subdivisions, state agencies, federal agencies, community organizations, conservation organizations, and local business groups.

Supporting Documentation: Materials such as additional project description, photographs, and/or other information to assist your NRAC in ranking your project. Be sure to include supplements which may be required by your *local* NRAC.

Have you reviewed your NRAC's methodology to see that you have addressed all components?

APPLICANT CERTIFICATION:

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages. Applicant certifies that the project, as defined in the application, has NOT resulted in any transfer of title or rights to land or begun any type of physical improvements prior to the execution of a Project Agreement with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding.

 - ADMINISTRATOR
Certifying Representative (Type or Print Name and Title)

5.0 ATTACHMENTS/COMPLETENESS REVIEW:

In order that your application may be processed in a timely fashion, please submit your application on 8 1/2 by 11 white paper with dark ink so that it may be copied for others. It is understood that some items may not conform to this request such as large maps and photographs. Please feel free to include these items.

Confirm in the blocks [] below that each item listed is attached.

- ☒ A certified copy of the authorization by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 6.0, Applicant Certification, below.
- ☒ A certification signed by the applicant's chief financial officer stating all local share funds required for the project will be available on or before the dates listed in the Project Schedule section.
- ☒ A formal detailed estimate of the project's costs provided by an architect, landscape architect, or other professional. For land acquisition, an appraisal by a State-certified general real estate appraiser, as defined under ORC 4763 for the type of land being appraised will need to be submitted to the NRAC prior to closing.
- ☐ N/A A cooperation agreement (if the project involves more than one entity) which identifies the fiscal and administrative responsibilities of each participant.
- ☒ Resolution of Support (Please refer to section 164.23(B)(1) of the Ohio Revised Code for guidance.)
PREVIOUSLY PASSED AND PROVIDED IN ORIGINAL APPLICATION (RES 3-02)
- ☐ N/A Identification of any participation by state agencies that will provide to this particular project and that will provide assistance with respect to the project.
- ☐ N/A Information concerning the coordination of the project among local political subdivisions, state agencies, federal agencies, community organizations, conservation organizations, and local business groups.
- ☒ Supporting Documentation: Materials such as additional project description, photographs, and/or other information to assist your NRAC in ranking your project. Be sure to include supplements which may be required by your *local* NRAC.
- ☒ Have you reviewed your NRAC's methodology to see that you have addressed all components?

6.0 APPLICANT CERTIFICATION:

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that the project, as defined in the application, has NOT resulted in any transfer of title or rights to land or begun any type of physical improvements prior to the execution of a Project Agreement with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding.

Jennifer M. Kaminer

Certifying Representative (Type or Print Name and Title)

Jennifer M. Kaminer - ADMINISTRATOR
Original Signature/Date Signed

ATTACHMENT A

PROJECT EMPHASIS

NOTE: IF THE PROJECT HAS MORE THAN ONE EMPHASIS, PLEASE PLACE A "1" IN THE CATEGORY THAT IS THE PRIMARY EMPHASIS, A "2" IN THE CATEGORY WITH SECONDARY EMPHASIS, AND A "3" IN THE CATEGORY WITH THIRD EMPHASIS.

OPEN SPACE

- ☐ 1. Protects habitat for rare, threatened and endangered species
- ☐ 2. Increases habitat protection
- ☐ 3. Reduces or eliminates nonnative, invasive species of plants or animals
- ☐ 4. Preserves high quality, viable habitat for plant and animal species
- ☐ 5. Restores and preserves aquatic biological communities
- ☐ 6. Preserves headwater streams
- ☒ 7. Preserves or restores flood plain and stream side forest functions
- ☐ 8. Preserves or restores water quality
- ☐ 9. Preserves or restores natural stream channels
- ☐ 10. Preserves or restores functioning flood plains
- ☐ 11. Preserves or restores wetlands
- ☐ 12. Preserves or restores stream side forests
- ☐ 13. Preserves or restores other natural features that contribute to quality of life and state's natural heritage

RIPARIAN CORRIDOR

- ☐ 14. Fee simple acquisition of lands to provide access to riparian corridors or watersheds
- ☒ 15. Acquisition of easements for protecting and enhancing riparian corridors or watersheds
- ☐ 16. Reforestation of land
- ☐ 17. Planting vegetation for filtration
- ☐ 18. Incorporates aesthetically pleasing and ecologically informed design
- ☐ 19. Enhances educational opportunities and provides physical links to schools and after school centers
- ☐ 20. Acquisition of connecting corridors
- ☐ 21. Supports comprehensive open space planning
- ☐ 22. Provides multiple recreational, economic and aesthetic preservation benefits
- ☐ 23. Allows proper management of areas where safe hunting and trapping may take place in a manner that will preserve balanced natural ecosystems.
- ☐ 24. Enhances economic development that relies on recreational and ecotourism in areas of relatively high unemployment and lower incomes

5903 Hawthorne Street
Fairfax, Ohio 45227



Telephone (513) 527-6503
Fax (513) 271-4178

"Working Together To Build A Better Community"

Hamilton County Natural Resource
Advisory Council
Attn: Ron Miller, Chairperson
Hamilton County Regional Planning Commission
138 East Court Street
Cincinnati, OH 45227

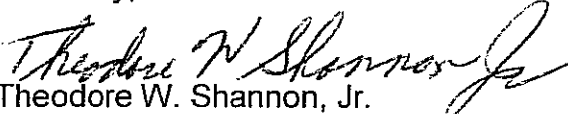
March 25, 2002

Dear Mr. Miller:

Jennifer M. Kaminer, Administrator for the Village of Fairfax, is hereby authorized to apply to the OPWC for Clean Ohio Conservation Program funds.

Mrs. Kaminer is further authorized to enter into any agreements as may be necessary and appropriate for obtaining this financial assistance.

Sincerely,


Theodore W. Shannon, Jr.
Mayor, Village of Fairfax

5903 Hawthorne Avenue
Fairfax, Ohio 45227



Telephone (513) 527-6503
Fax (513) 271-4178

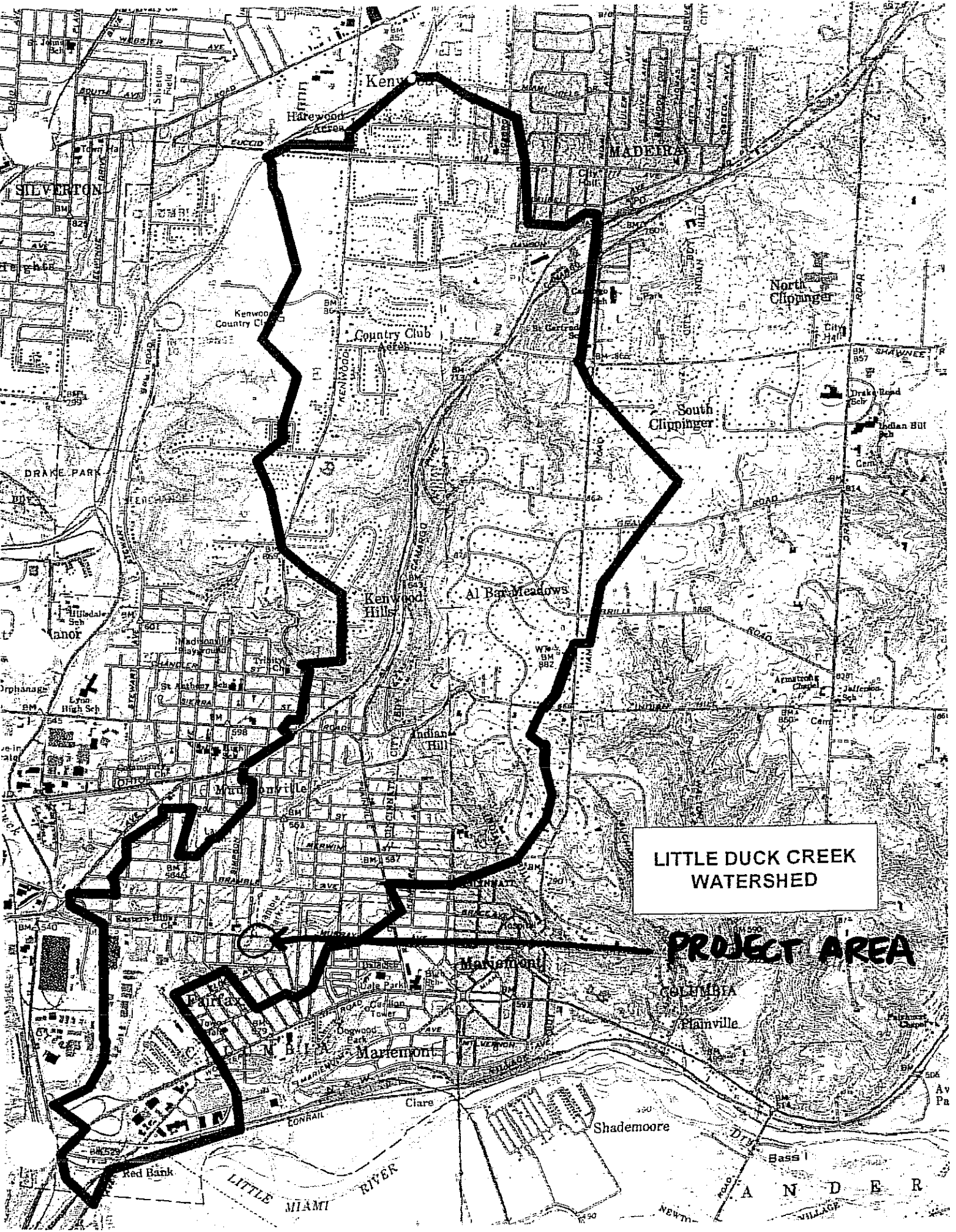
"Working Together To Build A Better Community"

I, Walter W. Knabb, Clerk-Treasurer of the Village of Fairfax, hereby certify that the Village of Fairfax has the amount of \$88,000 in the General Fund - Storm Sewer and/or Special Revenue Fund - Little Duck Creek Project and that this amount will be used to pay the applicant revenues for the Little Duck Creek Restoration Project - Phase 2 when it is required.

A handwritten signature in cursive script that reads "Walter W. Knabb".

Walter W. Knabb
Clerk-Treasurer

PROJECT MAPS



LITTLE DUCK CREEK
WATERSHED

PROJECT AREA

SILVERTON

Kenwood

MADEIRA

North Clippinger

South Clippinger

Country Club

Kenwood Hills

Al Bar Meadows

Indian Hill

Mariemont

Mariemont

COLUMBIA

Plainville

Mariemont

Shademoore

Bass I

A N D E R

LITTLE MIAMI RIVER

Red Bank

Clare

Mariemont

Mariemont

Mariemont

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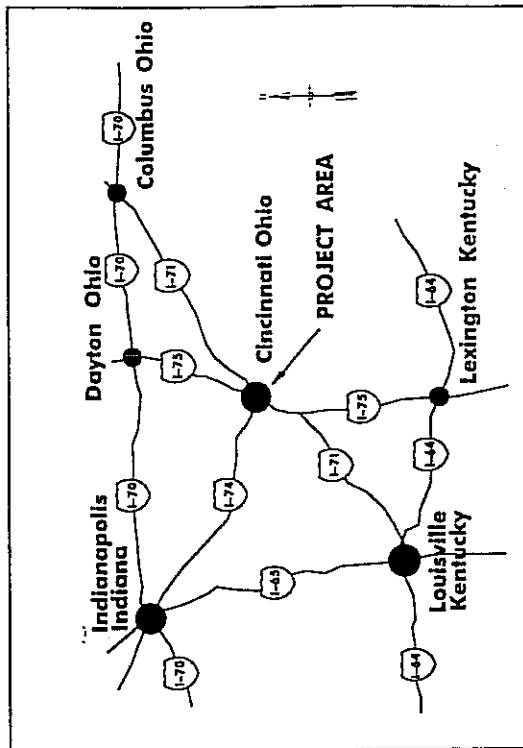
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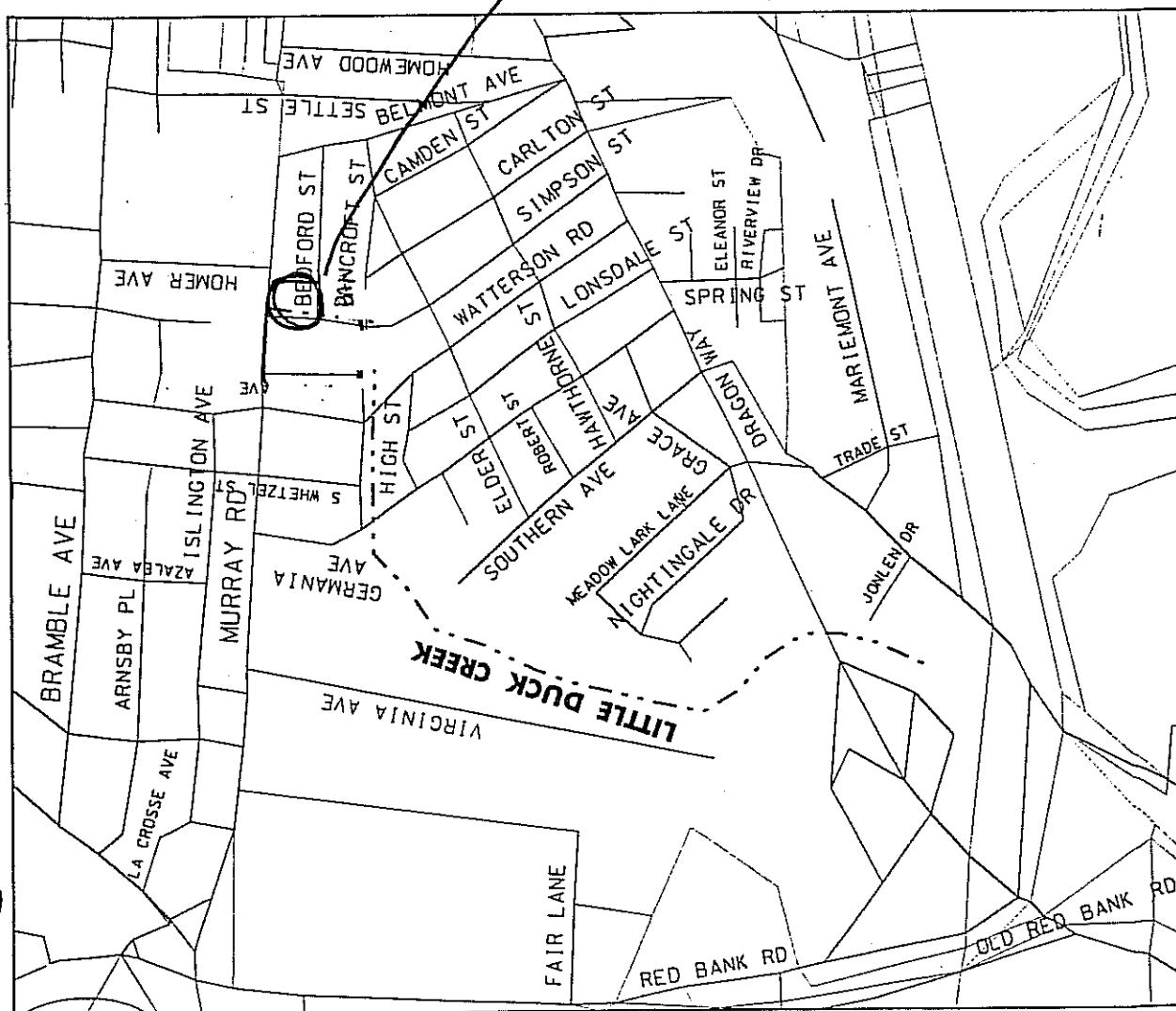
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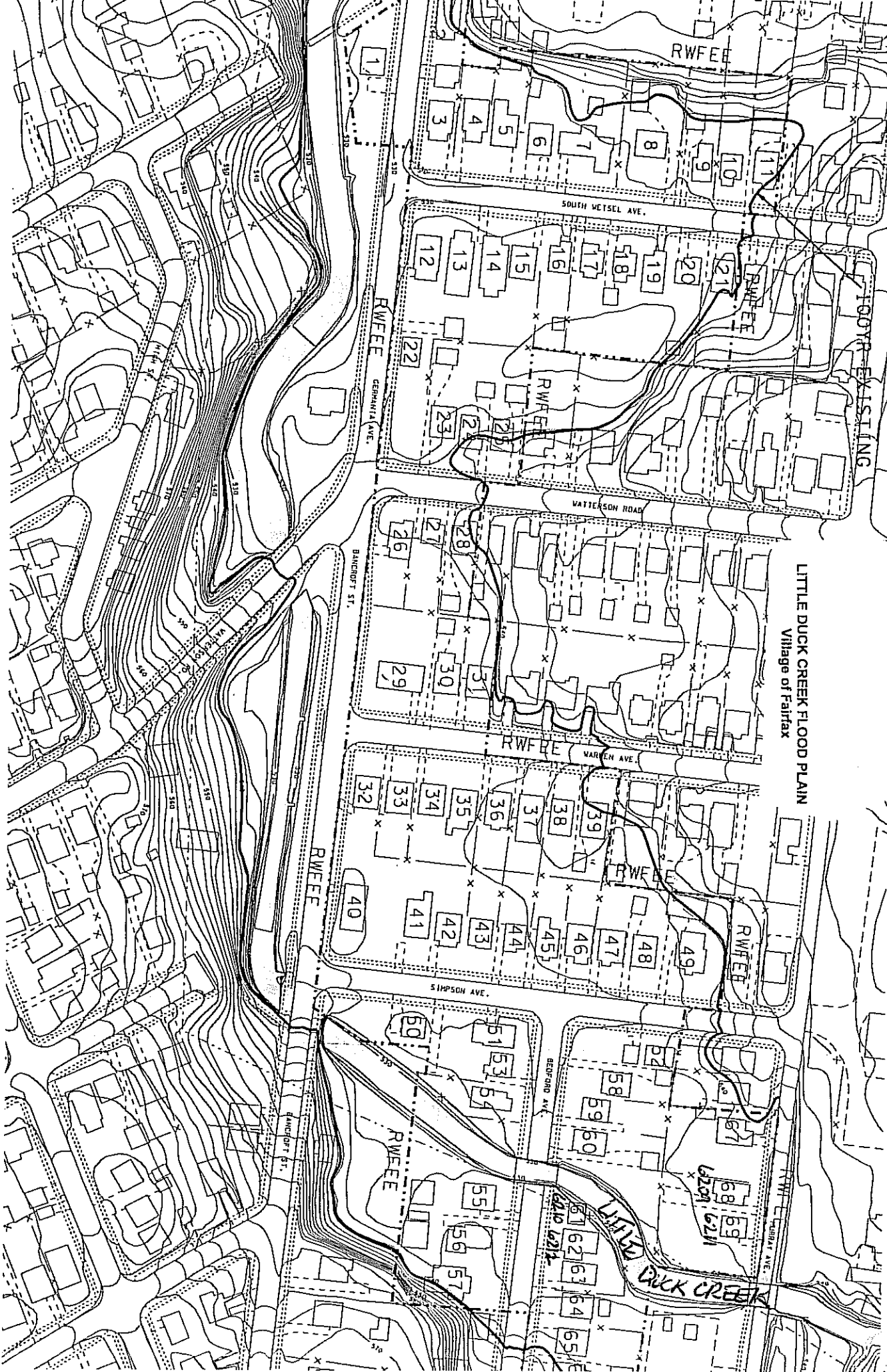
VICINITY MAP
NOT TO SCALE

PROJECT AREA



LOCATION MAP
NOT TO SCALE

LITTLE DUCK CREEK FLOOD PLAIN
Village of Fairfax



5903 Hawthorne Avenue
Fairfax, Ohio 45227



Telephone (513) 527-6503
Fax (513) 271-4178

"Working Together To Build A Better Community"

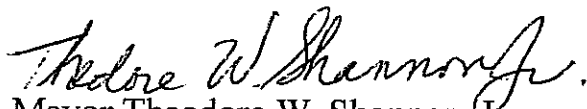
The Village of Fairfax will provide the following in-kind services towards the Little Duck Creek Restoration Project:

1) Razing/demolition of 4 residential homes and other structures (if applicable) by fire department personnel and service department $4 \times 3000 = 12,000$ \$3,000 each \$9,000 total ?

2) Removal of foundations and filling in with dirt/topsoil \$2,000 each \$8,000 total

TOTAL IN-KIND SERVICES **\$17,000** ?

Structures proposed in application are not deemed to have an asbestos issue. If asbestos is detected and razing of the structure is not permitted by the Little Miami Joint Fire & Rescue District, the proper demolition of said structure(s) will be covered with \$15,000 listed in the application for contingencies.


Mayor Theodore W. Shannon, Jr.
Village of Fairfax

**PROPERTY SUPPORT/LETTERS OF
INTENT**

LITTLE DUCK CREEK RESTORATION PROJECT
(see map in application for specific location)

Fee-Simple Acquisitions:

- 1) 6209 Murray Road
- 2) 6211 Murray Road
- 3) 6210 Bedford Street
- 4) 6212 Bedford Street

→ on both applications

For properties #1,2, and 4, property owners provided the Village of Fairfax letters stating that they are willing to sell their property. The property at 6210 Bedford actually extends over Little Duck Creek at the northeast corner. Recent conversations with the owner have indicated a willingness to sell, although a letter of intent could not be obtained in time for this application.

Jennifer Kamenir,

I am willing to sell my property at 6211 Murray Rd. for the purpose of the project with the Corps. I have lived at this address 39 years. I have been promised 100% fair market value. In knowing this, and knowing the over all problem would cost too much. too fix, I have to make this choice.

Constance L. Allgier
6211 Murray Rd.
Project Owner

6209 Murray Rd.
Fairfax, Ohio 45227

March 11, 2002

Dear Jennifer Kaminer,

We own the house and property at 6209 Murray Rd., Fairfax Ohio. On July 18, 2001 this home was completely surrounded by water, and this water was about 2 inches from going in the front door. We did get about 6 inches of backup water in the basement and sustained about \$4,000.00 in damages. We do not want to take any more chances with the flooding, and so if the Project proposed by the Corps of Engineers is accepted we would very much be willing to sell the house and property at 6209 Murray Rd. We very much that this Project moves along quickly.

Sincerely,
John and Shelley Kacher

Hi Jenny-

Jack & I (Lois Wynne) are will to
take the buy out of our house at
6212 Bedford, Fairfax, Ohio.

Mrs Lois Wynne

APPLICATION FOR THE CLEAN OHIO CONSERVATION FUND

October 2001
SUMMARY SHEET

CBAAF

IMPORTANT: Please consult the "Instructions for Completing the Project Application" for assistance with this form.

APPLICANT: Village of Fairfax CODE # ---
(If Unknown Call OPWC)
DISTRICT NUMBER: 2 COUNTY: Hamilton DATE 3 / 21 / 2002

CONTACT: Jennifer Kaminer PHONE # (513) 5276503 (THE PROJECT CONTACT PERSON SHOULD BE THE INDIVIDUAL WHO WILL BE AVAILABLE DURING BUSINESS HOURS AND WHO CAN BEST ANSWER OR COORDINATE THE RESPONSE TO QUESTIONS)

FAX: (513) 2714178 E-MAIL jkaminer@fuse.net

PROJECT NAME: Little Duck Creek Restoration Project

ELIGIBLE APPLICANT

(Check Only 1)

- ☐ A. County (1)
- ☐ B. City (2)
- ☐ C. Township (3)
- ☒ D. Village(4)
- ☐ E. Conservancy District (6)
- ☐ F. Soil & Water Conservation District (7)
- ☐ G. Joint Recreational District (8)
- ☐ H. Park District/Authority (9)
- ☐ I. Nonprofit Organization (10)
- ☐ J. Other _____ (11)

PROJECT TYPE

(Check Largest Component)

- ☒ A. Open Space (7)
- ☐ B. Riparian Corridor (8)

PRIMARY PROJECT EMPHASIS 10

(Choose a category from Attachment A which most closely describes our primary project emphasis.)

ESTIMATED TOTAL

PROJECT COST (from 1.1f): \$ 5,498,821 CLEAN OHIO CONSERVATION FUNDING REQUESTED: (from 1.2e) \$ 315,000

~~NRAC APPROVAL - To be completed by the NRAC Committee ONLY~~

GRANT: \$ _____

FOR OPWC USE ONLY

PROJECT NUMBER: _____ APPROVED FUNDING: \$ _____

Local Participation _____% Project Release Date: _____

Clean Ohio Fund Participation _____%

1.0 PROJECT FINANCIAL INFORMATION

1.1 PROJECT ESTIMATED COSTS: TOTAL DOLLARS (Round to Nearest Dollar)

In Kind
Dollars
(See definition in instructions.)

- a.) Acquisition Expenses: \$ 4,908,828 .00 89%
 Fee Simple Purchase \$ 4,348,828
 Easement Purchase \$ _____
 Other FEDERAL AND \$ 560,000
 LOCAL ADMINISTRATIVE
 COSTS
- b.) Planning and Implementation: \$ 90,100 .00 1%
 Appraisal \$ 26,600
 Closing Costs \$ 57,000
 Title Search \$ 6,500
 Environmental
 Assessments \$ _____
 Design \$ _____
 Other Eligible
 Costs \$ _____
- c.) Construction or Enhancement of
 Facilities: \$ _____ .00 _____
- d.) Permits, Advertising, Legal: \$ _____ .00 _____
- e.) Contingencies: \$ 499,893 .00 10%
 (not to exceed 10% of total costs)
- f.) TOTAL ESTIMATED COSTS: \$ 5,498,821 .00

1.2 PROJECT FINANCIAL RESOURCES:

(Round to Nearest Dollar and Percent)

	DOLLARS	%
a.) In-Kind Contributions (Please define) _____	\$ _____ .00	
b.) Applicant Contributions (Local Funds)	\$ 1,609,587 .00	30%.
c.) Other Public Revenues		
Nature Works	\$ _____ .00	
Land Water Conservation Fund	\$ _____ .00	
Ohio Environmental Protection Agency	\$ _____ .00	
Ohio Water Development Authority	\$ _____ .00	
Community Development Block Grant	\$ _____ .00	
Ohio Department of Natural Resources	\$ _____ .00	
OTHER <u>US Army Corps of Engineers</u>	\$ 3,574,234 .00	65%.
d.) Private Contributions	\$ _____ .00	
<i>SUBTOTAL LOCAL RESOURCES:</i>	\$ 5,520,916 .00	95%.
 e.) CLEAN OHIO CONSERVATION FUND:	 \$ 315,000 .00	
Funds from another NRAC	\$ _____ .00	
<i>SUBTOTAL CLEAN OHIO RESOURCES:</i>	\$ 315,000 .00	5%.
 f.) TOTAL FINANCIAL RESOURCES:	 \$ 5,498,821 .00	 100%

1.3 AVAILABILITY OF LOCAL FUNDS:

Attach a statement signed by the Chief Financial Officer listed in section 4.2 certifying all local share funds required for the project will be available on or before the earliest date listed in the Project Schedule section.

Please list any partnership with other sources. (i.e.; is this part of a larger project or

2.0 PROJECT INFORMATION

If the project is multi-jurisdictional, information must be consolidated in this section.

X Please check here if additional documentation is attached.

2.1 BRIEF PROJECT DESCRIPTION - (Sections A through E):

A: SPECIFIC LOCATION: Please attach a map.

Along Little Duck Creek watershed between Murray Road (north) and Bancroft Street (south) and Bedford Street (east) and Warren Avenue (west)

PROJECT COUNTY: Hamilton **PROJECT ZIP CODE:** 45227

B: PROJECT COMPONENTS: Please describe the various project components.

A riparian corridor project to restore, protect and enhance the Little Duck Creek watershed that is prone to flash flooding.

Restoration of the corridor would involve the buy-out of 42 residential homes and other infrastructure demolition/abandonment. See attached map for area overview and homes that are a part of the plan. Also see attached narrative regarding U.S. Army Corps of Engineers study and recommendations for the Little Duck Creek flood plain.

C: PROJECT EMPHASIS AS DEFINED BY SECTIONS 164.22 (A) (B) OF THE OHIO REVISED CODE AND LISTED IN APPENDIX A: Please describe.

Joint project with the U.S. Army Corps of Engineers to restore the riparian corridor of Little Duck Creek within the Village of Fairfax. The project seeks to obtain the fee simple acquisition of 42 single family residential homes in the Little Duck Creek flood plain covering approximately 5 acres.

D: DEFINE TERMS OF EASEMENTS:

PLEASE REFER TO SECTION 164.26 OF THE OHIO REVISED CODE.

Project is a fee simple acquisition of 42 homes.

E: INFORMATION REGARDING PUBLIC ACCESS

Where is the access located? Is it open to the general public or are there restrictions? What are the hours of availability? Will the general public be given the opportunity to participate in the planning of the project?

Access to the restored Little Duck Creek riparian corridor will be available at any time. Access points can be made from various sites surrounding this 5 acre area. There will be no restrictions made on access to the public.

2.2 OWNERSHIP/MANAGEMENT/OPERATION: Please address.

The Village of Fairfax will own and maintain the 5 acre area upon completion of the project. All future management of the project area will be protected by the Village of Fairfax and not allow any future development.

FEASIBILITY STUDY - SECTION 205 LOCAL FLOOD PROTECTION

LITTLE DUCK CREEK - FAIRFAX, OHIO

Reach LD-D2 - Buyout in the 1% Chance (100 Year) Flood Plain
(OCTOBER 2000 PRICE LEVELS)

DATE

PREPARED: 25-Aug-01

REVISED: 30-Aug-01

BY: ED-M-C M. Witcher

COST ACCOUNT NUMBER	DESCRIPTION OF ITEMS	UNIT	QUANTITY	UNIT COST	SUBTOTAL COST	CONTINGENCY PCT	AMOUNT	TOTAL
PLAN/REACH LD-D2 - THE BUYOUT OF APPROXIMATELY 42 PROPERTY OWNERS IN THE 1% CHANCE (100 YEAR) FLOOD PLAIN. INCLUDES THE DEMOLITION OF EXISTING STRUCTURES; THE DISCONNECTION OF UTILITIES; AND THE IMPLEMENTATION OF THE ENVIRONMENTAL ENHANCEMENTS FOR A SECTION OF THE TOWN OF FAIRFAX, OHIO.								
02—	RELOCATIONS							
0203—	CEMETERIES, UTILITIES, AND STRUCTURES							
020301--	Mobil., Demob., and Prep. Work	Ls	1.0	9,300.00	9,300	30%	2,790	12,090
020313--	Traffic Control	Ls	1.0	2,600.00	2,600	60%	1,560	4,160
020318--	Utilities							
2031802	Identify & Protect Exist. Utilities/Facilities	Ls	1.0	10,000.00	10,000	30%	3,000	13,000
2031802	Relocate/Remove Electric/Tel./Light Poles	Ea	40.0	2,000.00	40,000	35%	28,000	108,000
2031802	Relocate/Remove Sec. OH Elect. Serv. Line	Lf	4,000.0	20.00	80,000	35%	28,000	108,000
2031802	Remove/Relocate Gas Serv. MH's/Meters	Ea	8.0	2,000.00	16,000	35%	5,600	21,600
2031802	Plug/Cap Existing Utility Service Lines	Ea	30.0	150.00	4,500	35%	1,575	6,075
2031802	Remove/Relocate Sewer Serv. MH's/CB's	Ea	25.0	250.00	6,250	35%	2,188	8,438
2031802	Remove/Relocate Water Serv. MH's/Meters	Ea	2.0	2,000.00	4,000	35%	1,400	5,400
2031802	Remove/Relocate Fire Hydrants	Ea	10.0	320.00	3,200	35%	1,120	4,320
	RELOCATIONS Subtotal				X 175,850	35%	\$75,283	\$291,083
15—	FLOODWAY CONTROL AND DIVERSION STRUCTURES							
	BUY-OUT OF PROPERTY OWNERS (70 Parcels)							
150001--	Mobil., Demob., and Prep. Work	Ls	1.0	15,000.00	15,000	25%	3,750	18,750
15000113	Traffic Control	Ls	1.0	6,400.00	6,400	25%	1,600	8,000
150099--	Associated General Items:							
15009902	Pollution Prevention Plan							
15009902	Erosion Control, Silt Fence	Lf	28,000.0	2.25	63,000	15%	9,450	72,450
15009902	Debris Removal	Ls	1.0	2,000.00	2,000	30%	600	2,600
15009902	Demolition of Bedford Avenue Bridge	Cy	355.0	80.00	28,400	35%	9,940	38,340
15009902	Demolition of Bedford Avenue Pavement	Cy	65.0	55.00	3,575	35%	1,251	4,826
15009902	Demolition of Bancroft Ave. Bridge	Cy	560.0	80.00	44,800	35%	15,680	60,480
15009902	Demolition of Bancroft Ave. Pavement	Cy	104.0	55.00	5,720	35%	2,002	7,722
15009902	Demolition of Roadway Surfacing	Sy	4,000.0	4.19	16,760	35%	5,866	22,626
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15009902	Disconnect Residential Utility Connections	Ea	190	50.00	9,500	35%	6,125	23,625
15009902	Administering Residential Demolition	Ea	38	100.00	3,800	35%	2,450	9,450
15009902	Disposal of Construction Debris/Rubble	Cy	589	8.70	5,124	35%	3,301	12,425
15009902	Backfill/Fill in of Basement Structures	Cy	7,166	7.00	50,162	25%	32,340	124,740
15009902	Clearing	Acr	5	2,500.00	12,500	20%	6,000	36,000
15009902	Clearing and Grubbing at Borrow Site	Acr	1.5	7,500.00	11,250	20%	2,250	13,500
X 15009902	Stripping Topsoil at Borrow Site	Cy	1,200.0	2.50	3,000	20%	600	3,600
X 15009902	Spread Topsoil at Borrow Site	Cy	1,200.0	3.50	4,200	20%	840	5,040
X 15009902	Environmental Enhancements, Implementation of							
X 15009902	Tree Plantings (Designated Various Types)	Ea	1,047	170.00	177,990	25%	68,425	342,125

CORPS' CONTINGENCY
AMTS. NOT USED -
10% APPLIED TO APP.

FEASIBILITY STUDY - SECTION 205 LOCAL FLOOD PROTECTION

LITTLE DUCK CREEK - FAIRFAX, OHIO

Reach LD-D2 - Buyout in the 1% Chance (100 Year) Flood Plain
(OCTOBER 2000 PRICE LEVELS)

DATE

PREPARED: 25-Aug-01

REVISED: 30-Aug-01

BY: ED-M-C M. Witcher

COST ACCOUNT NUMBER	DESCRIPTION OF ITEMS	UNIT	QUANTITY	UNIT COST	SUBTOTAL COST	CONTINGENCY PCT	AMOUNT	TOTAL
BUYOUT OF PROPERTY OWNERS (Continued)								
X 15009902	Shrub Plantings (Designated Various Types)	Ea	1,869	30.00	56,070	25%	21,563	107,813
X 15009902	Seeding, Mulch and Fertilizing	Acr	5	2,500.00	12,500	15%	4,875	37,375
FLOODWAY (BUYOUT IN THE 100 YEAR FLOOD PLAIN) Subtotal					952,193	31%	\$469,262	\$1,994,590
RELOCATIONS & FLOODWAY (BUYOUT) SUBTOTAL					1,128,043		\$544,495	\$2,285,673
Construction Total					1,128,043	31%	\$544,495	\$2,285,673
30—	PLANNING, ENGINEERING, AND DESIGN				261,200	15%	39,180	300,380
31—	CONSTRUCTION MANAGEMENT				130,600	15%	19,590	150,190
TOTAL FEDERAL COST					1,519,843		\$603,265	\$2,736,243
FOR REVISED APPLICATION								
01—	LANDS AND DAMAGES							
0102—	ACQUISITIONS				4,438,928	21%	1,675,000	9,840,000
011702—	NON-FEDERAL ADMINISTRATIVE				350,000	0%	0	350,000
011702—	FEDERAL ADMINISTRATIVE COSTS				210,000	0%	0	210,000
LANDS AND DAMAGES TOTAL					4,998,828	15%	1,675,000	10,400,000
LITTLE DUCK CREEK, REACH LD-D2 PROJECT TOTAL					4,998,828		499,893 (10%)	
TOTAL PROJECT COST Estimate								<u>\$5,498,821</u>

Prepared By: _____
Michael Witcher, C.C.E.T.

Checked By: _____
Martin Lockard, C.C.C.

Reviewed By: _____
V.J. Heindselman, P.E., C.C.E., Chief Cost
Engineering Section

Basis of Estimate:

This estimate is prepared using the Work Breakdown Structure format. This estimate based on a one sheet list of items and quantities and two sheet drawings as back-up, submitted to ED-M-C by ED-T-G, Chris Neutz. Most line items and quantities provided by ED-T-G. No existing design/demolition details available at this time for most items.

Discussion of Contingencies:

10% to 15% - Quantities are fixed; scope defined; and/or the degree of the work is simple.

20% to 25% - The full extent of the work involved is unknown at this stage of the estimate; Various factors or line items such as some quantities or production rates were assumed for these items; These factors/items involve some degree of difficulty or inaccessibility; Site conditions may be different at construction; Haul distances and/or borrow site locations were assumed; and/or The level of mapping available does not produce an accurate and reliable quantity take off.

30% and Above - This item has a potential for varying significantly and/or a greater amount of unknown factor(s) are present.

3.0 PROJECT SCHEDULE:*

	BEGIN DATE	END DATE
3.1 Planning and Implementation:	<u>08 / 01 / 01</u>	<u>05 / 31 / 02</u>
3.2 Land Acquisition/Easements:	<u>10 / 01 / 02</u>	<u>06 / 01 / 03</u>
3.3 Site Improvements:	<u>06 / 01 / 03</u>	<u>12 / 31 / 03</u>

* Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by a project official of record and approved by the commission once the Project Agreement has been executed.

4.0 PROJECT OFFICIALS:

4.1 CHIEF EXECUTIVE OFFICER Jennifer M. Kaminer
TITLE Administrator
STREET 5903 Hawthorne Street

CITY/ZIP Fairfax (Cincinnati) OH 45227
PHONE (513) 527 - 6503
FAX (513) 271 - 4178
E-MAIL jkaminer@fuse.net

4.2 CHIEF FINANCIAL OFFICER Walter W. Knabb
TITLE Clerk-Treasurer
STREET 5903 Hawthorne Street

CITY/ZIP Fairfax (Cincinnati) OH 45227
PHONE (513) 527 - 6504
FAX (513) 271 - 4178
E-MAIL N/A

4.3 PROJECT MANAGER Jennifer M. Kaminer
TITLE Administrator
STREET 5903 Hawthorne Street

CITY/ZIP Fairfax (Cini.), OH 45227
PHONE (513) 527 - 6503
FAX (513) 271 - 4178
E-MAIL jkaminer@fuse.net

Changes in Project Officials must be submitted in writing from the CEO or CFO.

5.0 ATTACHMENTS/COMPLETENESS REVIEW:

In order that your application may be processed in a timely fashion, please submit your application on 8 1/2 by 11 white paper with dark ink so that it may be copied for others. It is understood that some items may not conform to this request such as large maps and photographs. Please feel free to include these items.

Confirm in the blocks [] below that each item listed is attached.

- ☒ [] A certified copy of the authorization by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 6.0, Applicant Certification, below.
- ☒ [] A certification signed by the applicant's chief financial officer stating all local share funds required for the project will be available on or before the dates listed in the Project Schedule section.
- ☒ [] A formal detailed estimate of the project's costs provided by an architect, landscape architect, or other professional. For land acquisition, an appraisal by a State-certified general real estate appraiser, as defined under ORC 4763 for the type of land being appraised will need to be submitted to the NRAC prior to closing.
- ☐ [] A cooperation agreement (if the project involves more than one entity) which identifies the fiscal and administrative responsibilities of each participant.
- ☒ [] Resolution of Support (Please refer to section 164.23(B)(1) of the Ohio Revised Code for guidance.)
- ☐ [] Identification of any participation by state agencies that will provide to this particular project and that will provide assistance with respect to the project.
- ☒ [] Information concerning the coordination of the project among local political subdivisions, state agencies, federal agencies, community organizations, conservation organizations, and local business groups.
- ☒ [] Supporting Documentation: Materials such as additional project description, photographs, and/or other information to assist your NRAC in ranking your project. Be sure to include supplements which may be required by your *local* NRAC.
- ☒ [] Have you reviewed your NRAC's methodology to see that you have addressed all components?

6.0 APPLICANT CERTIFICATION:

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages. Applicant certifies that the project, as defined in the application, has NOT resulted in any transfer of title or rights to land or begun any type of physical improvements prior to the execution of a Project Agreement with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding.

Certifying Representative (Type or Print Name and Title)

Jennifer M. Kammer 3/26/02
Original Signature/Date Signed

PROJECT BACKGROUND

The US Army Corps of Engineers prepared a report and recommendations to the Village of Fairfax in October 2001 for the Little Duck Creek flood plain within the Village. Three plans were ultimately presented:

- 1) Buy-outs of 70 homes affected by flooding and restore the entire area to its natural ecosystem. (This area is outlined on the attached map). The proposed cost for this plan is \$14.1 million.
- 2) Buy-out of 51 homes and flood-proof 19 homes on S. Whetzel Avenue in which the first floor elevation is above the 100-year flood plain. The proposed cost for this plan is \$11.4 million.
- 3) Channel Improvement involving the widening and deepening of the Little Duck Creek channel as well as the construction of floodwalls. This plan did not pass the Corps of Engineers cost/benefit analysis and was therefore not recommended nor would it be supported financially by the Corps.

After review, the Village of Fairfax Council determined that the estimated \$11-14 million cost of proposals 1 or 2 was beyond the Village's financial capacity to undertake. The Village requested that the Corps consider a smaller buyout project of 38 homes in the area most severely affected by flash flooding, mainly on Bedford Street, Murray Road, Simpson Street and Warren Avenue. The Corps has indicated to the Village that they would partake in such a plan. This project application reflects the modified plan and the cost estimate has been adjusted accordingly. The US Army Corps of Engineers will finance 65% of total project costs. The Village of Fairfax must cover the remaining 35% with local contributions and/or funding from other sources.

Various sections of the US Army Corps Report of Recommendations is attached for review:

- Project Cost estimate
- Historical Background of Project area/Village of Fairfax
- Geotechnical Information
- Environmental Assessment
- Ecosystem Restoration Component of Project

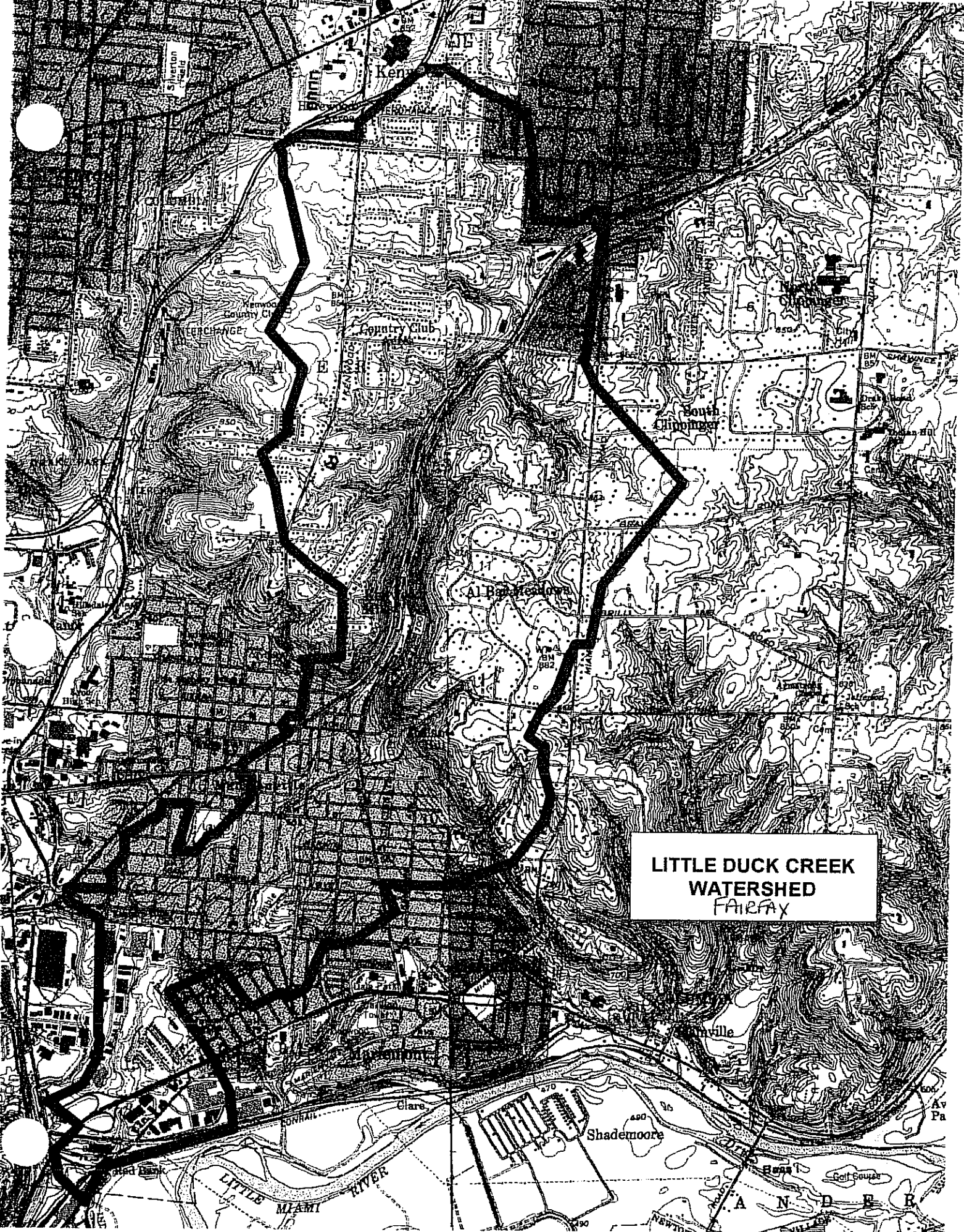
Also attached as addendums are:

- List of properties by street and address in the project area
- Letters from property owners regarding their desire and willingness to participate in a buy-out project.

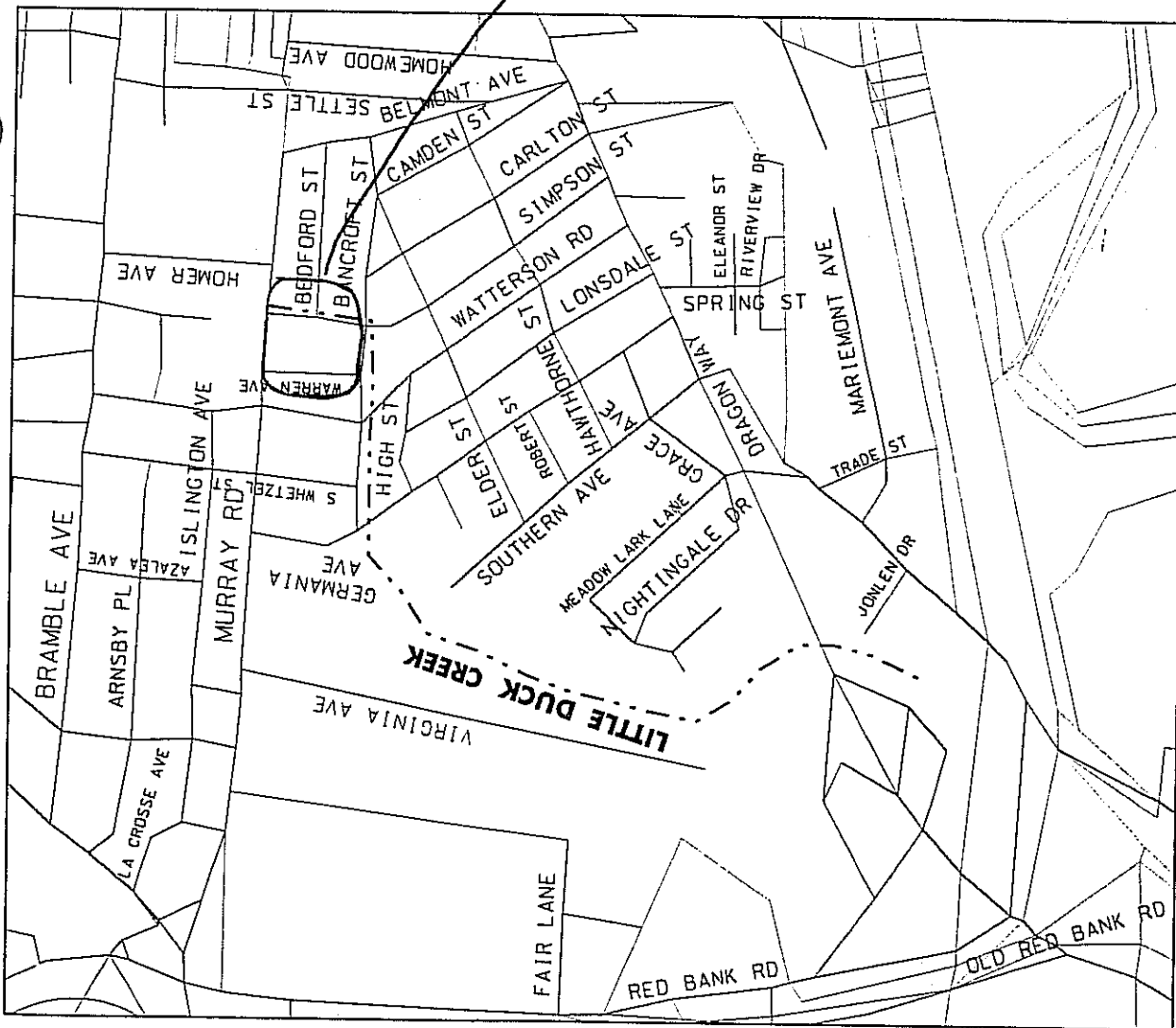
PROJECT BACKGROUND
(Page 2)

The overwhelming consensus from property owners in this area is that they would like to participate in a buy-out plan. Thirty out of the 38 property owners have contacted the Village in writing that they want to participate.

PROJECT MAPS

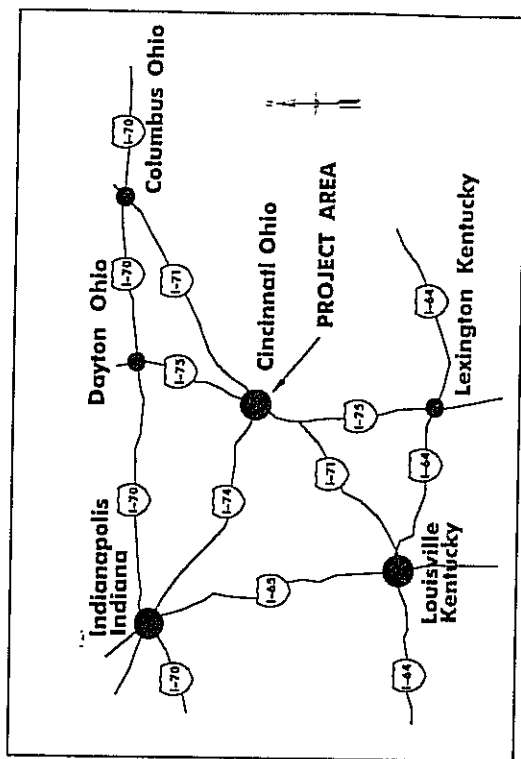


**LITTLE DUCK CREEK
WATERSHED**
FAIRFAX



LOCATION MAP

NOT TO SCALE



VICINITY MAP

NOT TO SCALE

PROJECT AREA



COST ESTIMATE

Revised to reflect buy-out of 38 homes

(Original estimate provided by Corps of Engineers was for 70 homes)

FEASIBILITY STUDY - SECTION 205 LOCAL FLOOD PROTECTION

LITTLE DUCK CREEK - FAIRFAX, OHIO

Reach LD-D2 - Buyout in the 1% Chance (100 Year) Flood Plain
(OCTOBER 2000 PRICE LEVELS)

DATE

PREPARED: 25-Aug-01

REVISED: 30-Aug-01

BY: ED-M-C M. Witcher

COST ACCOUNT NUMBER	DESCRIPTION OF ITEMS	UNIT	QUANTITY	UNIT COST	SUBTOTAL COST	CONTINGENCY PCT	AMOUNT	TOTAL
PLAN/REACH LD-D2 - THE BUYOUT OF APPROXIMATELY 30 PROPERTY OWNERS IN THE 1% CHANCE (100 YEAR) FLOOD PLAIN. INCLUDES THE DEMOLITION OF EXISTING STRUCTURES; THE DISCONNECTION OF UTILITIES; AND THE IMPLEMENTATION OF THE ENVIRONMENTAL ENHANCEMENTS FOR A SECTION OF THE TOWN OF FAIRFAX, OHIO.								
02----	RELOCATIONS							
0203----	CEMETERIES, UTILITIES, AND STRUCTURES							
020301--	Mobil., Demob., and Prep. Work	Ls	1.0	9,300.00	9,300	30%	2,790	12,090
020313--	Traffic Control	Ls	1.0	2,600.00	2,600	60%	1,560	4,160
020318--	Utilities							
2031802	Identify & Protect Exist. Utilities/Facilities	Ls	1.0	10,000.00	10,000	30%	3,000	13,000
2031802	Relocate/Remove Electric/Tel./Light Poles	Ea	40.0	2,000.00	40,000	35%	28,000	108,000
2031802	Relocate/Remove Sec. OH Elect. Serv. Line	Lf	4,000.0	20.00	80,000	35%	28,000	108,000
2031802	Remove/Relocate Gas Serv. MH's/Meters	Ea	8.0	2,000.00	16,000	35%	5,600	21,600
2031802	Plug/Cap Existing Utility Service Lines	Ea	30.0	150.00	4,500	35%	1,575	6,075
2031802	Remove/Relocate Sewer Serv. MH's/CB's	Ea	25.0	250.00	6,250	35%	2,188	8,438
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2031802	Remove/Relocate Fire Hydrants	Ea	10.0	320.00	3,200	35%	1,120	4,320
	RELOCATIONS Subtotal				175,850	35%	\$75,253	\$291,083
15----	FLOODWAY CONTROL AND DIVERSION STRUCTURES							
	BUY-OUT OF PROPERTY OWNERS (70 Parcels)							
150001--	Mobil., Demob., and Prep. Work	Ls	1.0	15,000.00	15,000	25%	3,750	18,750
15000113	Traffic Control	Ls	1.0	6,400.00	6,400	25%	1,600	8,000
150099--	Associated General Items:							
15009902	Pollution Prevention Plan							
15009902	Erosion Control, Silt Fence	Lf	28,000.0	2.25	63,000	15%	9,450	72,450
15009902	Debris Removal	Ls	1.0	2,000.00	2,000	30%	600	2,600
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15009902	Clearing and Grubbing at Borrow Site	Acr	1.5	7,500.00	11,250	20%	2,250	13,500
15009902	Stripping Topsoil at Borrow Site	Cy	1,200.0	2.50	3,000	20%	600	3,600
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CORPS' CONTINGENCY
AMTS. NOT USED -
10% APPLIED TO APP.

FEASIBILITY STUDY - SECTION 205 LOCAL FLOOD PROTECTION

LITTLE DUCK CREEK - FAIRFAX, OHIO

Reach LD-D2 - Buyout in the 1% Chance (100 Year) Flood Plain
(OCTOBER 2000 PRICE LEVELS)

DATE

PREPARED: 25-Aug-01

REVISED: 30-Aug-01

BY: ED-M-C M. Witcher

COST ACCOUNT NUMBER	DESCRIPTION OF ITEMS	UNIT	QUANTITY	UNIT COST	SUBTOTAL COST	CONTINGENCY PCT	AMOUNT	TOTAL
BUYOUT OF PROPERTY OWNERS (Continued)								
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RELOCATIONS & FLOODWAY(BUYOUT) SUBTOTAL					1,128,043		\$544,495	\$2,285,673
Construction Total					1,128,043	31%	\$544,495	\$2,285,673
30—	PLANNING, ENGINEERING, AND DESIGN				261,200	15%	39,180	300,380
31—	CONSTRUCTION MANAGEMENT				130,600	15%	19,590	150,190
TOTAL FEDERAL COST					1,519,843		\$603,265	\$2,736,243
01—	LANDS AND DAMAGES							
0102—	ACQUISITIONS				4,432,428	21%	1,675,000	9,840,000
011702—	NON-FEDERAL ADMINISTRATIVE				350,000	0%	0	350,000
011702—	FEDERAL ADMINISTRATIVE COSTS				210,000	0%	0	210,000
LANDS AND DAMAGES TOTAL					6,512,271	15%	1,675,000	10,400,000
LITTLE DUCK CREEK, REACH LD-D2 PROJECT TOTAL					6,512,271		651,227 (10%)	\$7,163,498
TOTAL PROJECT COST Estimate								

Prepared By: _____
Michael Witcher, C.C.E.T.

Checked By: _____
Martin Lockard, C.C.C.

Reviewed By: _____
V.J. Heindselman, P.E., C.C.E., Chief Cost
Engineering Section

Basis of Estimate:

This estimate is prepared using the Work Breakdown Structure format. This estimate based on a one sheet list of items and quantities and two sheet drawings as back-up, submitted to ED-M-C by ED-T-G, Chris Neutz. Most line items and quantities provided by ED-T-G. No existing design/demolition details available at this time for most items.

Discussion of Contingencies:

10% to 15% - Quantities are fixed; scope defined; and/or the degree of the work is simple.

20% to 25% - The full extent of the work involved is unknown at this stage of the estimate; Various factors or line items such as some quantities or production rates were assumed for these items; These factors/items involve some degree of difficulty or inaccessibility; Site conditions may be different at construction; Haul distances and/or borrow site locations were assumed; and/or The level of mapping available does not produce an accurate and reliable quantity take off.

30% and Above - This item has a potential for varying significantly and/or a greater amount of unknown factor(s) are present.

5903 Hawthorne Street
Fairfax, Ohio 45227



Telephone (513) 527-6503
Fax (513) 271-4178

"Working Together To Build A Better Community"

March 25, 2002

I, Walter W. Knabb, Clerk-Treasurer of the Village of Fairfax, hereby certify that the Village of Fairfax will make the necessary local share monies available for the Little Duck Creek Restoration Project.

These local funds will be obtained from the General Fund and/or a Special Revenue Fund at such time that they are required.

Sincerely,

A handwritten signature in cursive script, reading "Walter W. Knabb".

Walter W. Knabb
Clerk-Treasurer, Village of Fairfax

5903 Hawthorne Street
Fairfax, Ohio 45227



Telephone (513) 527-6503
Fax (513) 271-4178

"Working Together To Build A Better Community"

Hamilton County Natural Resource
Advisory Council
Attn: Ron Miller, Chairperson
Hamilton County Regional Planning Commission
138 East Court Street
Cincinnati, OH 45227

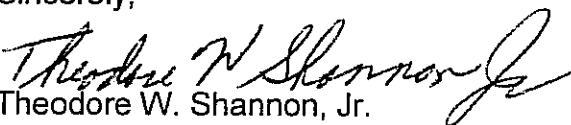
March 25, 2002

Dear Mr. Miller:

Jennifer M. Kaminer, Administrator for the Village of Fairfax, is hereby authorized to apply to the OPWC for Clean Ohio Conservation Program funds.

Mrs. Kaminer is further authorized to enter into any agreements as may be necessary and appropriate for obtaining this financial assistance.

Sincerely,


Theodore W. Shannon, Jr.
Mayor, Village of Fairfax

HISTORICAL FLOODING

3. PROBLEM IDENTIFICATION

a. Historical Flooding

The Village of Fairfax has experienced a number of significant flooding from Little Duck Creek. There are about 75 properties located in the 100-year floodplain. Within the Village, there are two areas that are most subject to flooding: along the right bank of Little Duck Creek between Murray Avenue and Bancroft Avenue and a smaller area along the right bank of Little Duck Creek along Nightingale Avenue. Over the past twenty-eight (28) years the Village has been plagued by six (6) significant flood events. The most recent, a flash flood in July 2001, which resulted in the deaths of two residents.

The July 2001 event was the most severe, and was the event of most concern to local officials. According to the Village of Fairfax personnel, during late Tuesday evening (17 July 01) and continuing into Wednesday morning (18 July 01) the Little Duck Creek watershed received tremendous amounts of rainfall, in excess of 6 inches. This led to severe flash flooding in the northern portion of the Village, approximately 10 square blocks between Murray and Bancroft Avenue, plus a small portion of Nightingale Avenue. Flood waters started coming out of the banks of Little Duck Creek very early on Wednesday morning while most of the residents were asleep. The Village police reported that the flood depths reached 4 to 5 feet in a matter of a few minutes, with very high velocities. The flooding damaged a total of 75 residential structures. Two residents of the Village drowned.

~~For purposes of this study the properties along Little Duck Creek in the Village of Fairfax have been split among the four areas shown on Figure 3. The~~

REFER
TO MAPS
PROVIDED
IN APPLICATION
FOR PROJECT
AREA

first area, located at the northern corporate limits of Fairfax, is 7-block area between Murray Avenue and Bancroft Avenue. Figure 4 shows this area in more detail, which is referred to in this report as LD-D. There are about 70 properties subject to flooding in this area. There are a number of bridges across the stream in the LD-D study area. The bridge openings are about the size of the channel, however, it appears that the bridges are a significant part of the problem as water heights are higher on the upstream side of the opening.

N/A

The second flood prone area, referred to as LD-C, is downstream of LD-D on the left bank of Little Duck Creek and is shown on Figure 5. Area LD-C had five homes on the cul-de-sac of Nightingale Court that reported flood damages from the July 2001 flood.

N/A

The two other areas along Little Duck Creek shown on Figure 3 are downstream of Columbia Parkway and consist of commercial development located higher in the floodplain than the upstream areas discussed above. None of these properties received any flood damages from the July 2001 event.

b. Flood Damages

The Mayor and other officials of the Village of Fairfax, along with other representatives of local, state, and Federal government accompanied Corps of Engineers (COE) team members on an inspection of the damaged areas on 27 July 2001. Multiple structures had basement walls that were collapsed or slab foundations undermined by the flood waters. Several local residents stated that they had purchased their properties with the knowledge that there would be some risk of flooding, but not with the frequency that had been occurring. The 75 damaged properties in the Little Duck Creek project area are approximately ten (10) per cent of the Village of Fairfax. These are all residential properties, with structures ranging in age from 30 years to 91 years old. Most of the residences were constructed in the 1950s and 1960s. The flood of July 2001 caused total of over \$2 million in damages to properties and emergency costs in areas LD-D and LD-C. Areas LD-A and LD-B did not report any damages from this flood. Expected average annual damages in Fairfax from floods along Little Duck Creek in reaches LD-D and LD-C are \$559,000.

Additional details on flood damage estimates are found in Appendix E of this report.

c. Future Conditions

While Village of Fairfax officials complained that uncontrolled (in their opinion) development in the watershed upstream of Fairfax has led to more frequent and intense floods, and they were concerned that the situation would get even worse, most of the upstream land has already been developed to the

) maximum practicable extent. The expected future condition (Without Project Alternative) would be little changed from existing conditions. There would be continued flooding from Little Duck Creek, potentially causing more damage to buildings and property. The Village of Fairfax will most likely continue to incur substantial emergency response costs, and there will be significant risk of loss of life due to flooding from the Little Duck Creek.

GEOTECHNICAL INFORMATION

**LITTLE DUCK CREEK, FAIRFAX, OHIO
FLOOD DAMAGE REDUCTION PROJECT
DETAILED PROJECT REPORT**

**APPENDIX B
CIVIL AND GEOTECHNICAL**

LITTLE DUCK CREEK, FAIRFAX, OHIO
FLOOD DAMAGE REDUCTION PROJECT
DETAILED PROJECT REPORT

APPENDIX B
CIVIL AND GEOTECHNICAL

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**LITTLE DUCK CREEK, FAIRFAX, OHIO
FLOOD DAMAGE REDUCTION PROJECT
DETAILED PROJECT REPORT**

**APPENDIX B
CIVIL AND GEOTECHNICAL**

1. SUBJECT

Little Duck Creek, Ohio, Section 205 Continuing Authorities Program Study – Detailed Project Report.

2. INTRODUCTION

The emphasis of the subject study was to reevaluate flooding along a portion of the project limits outlined in the September 1989 Metropolitan Cincinnati General Investigation Interim Reconnaissance Study. This referenced study focused on a reach of Little Duck Creek from Red Bank Road upstream to Murray Road (the northern boundary of the Village of Fairfax). In the lower reach of this study, from Red Bank Road to Columbia Parkway, there are 2 commercial structures at different sites within the 1% (100-year) flood plain. Due to Corps of Engineer policy restrictions concerning single owner developments in flood plains as discussed in the main report, this Detailed Project Report will only consider flood reduction alternatives between Columbia Parkway and Murray Road. See Plan sheets C-1 and C-6. The study effort evaluated both structural and non-structural alternatives for flood damage reduction caused by a 1% chance event (100-year flood event) in the study area.

The study reach has been flooded at least three times in the last eleven years. The last flood event on 17-18 July 2001 damaged 75 residential structures and caused two deaths.

At the end of this report, the recommended plan is summarized.

3. GEOLOGY

3.1. Physiography

The project lies within the Till Plains section of the Central Lowland physiographic province (Fenneman, 1938, p. 503), near its southern boundary. The boundary of this glaciated region and the unglaciated terrain of the Bluegrass section of the Interior Low Plateau province is located just south of the Ohio River. The area, since it is in the transition zone between the two physiographic regions, has features from both regions. The ridge-tops are at an elevation of 850 to 900 feet ASL and are the remnants of the Lexington peneplain. These bedrock ridge-tops are modified slightly with a thin veneer of glacial till. Ancestral Licking River

and Ancestral Ohio River, along with the other major streams in the region, were previously north flowing and have dissected this peneplain forming steep-sided valleys. The bedrock valley floor is at an elevation of approximately 350 feet ASL. During the three periods of Pleistocene glaciation the Norwood Trough, the valley through which the present Little Duck Creek flows, was filled with both glacial lake deposits and glacial till deposits to an elevation of 640 feet ASL. During these periods of glaciation the regional drainage direction was diverted to the southwest causing a reversal of flow in the Norwood Trough from its preglacial northwestern direction to its present southeastern course. This change in drainage left the large Norwood Trough valley with the present Little Duck Creek, an underfitted stream. The valley, in which the Little Duck Creek exists, can generally be described as broad and flat, bounded by gently rolling glacial terraces and steep dissected rock walls.

3.2. Geomorphology

The Pleistocene history of the area is very complex, with each of the three periods of glaciation effecting the region. Before the Kansan Age glaciation the ancestral Licking River flowed through the Norwood Trough. This river flowed north to the Teays River. The Kansan Age ice sheet blocked the Teays River causing the rerouting of the drainage around the ice sheet. This second phase of drainage bears little resemblance to the original Teays River system due to many divides being breached and a lower base level. It was during this phase that the Ancestral Licking River changed its course westward into the present day Mill Creek valley and the Ancestral Ohio River was routed through the Norwood Trough. This phase is named the "Deep Stage" because during this period the bedrock valley floor of the Norwood Trough was at its deepest, which is approximately at an elevation of 350 feet ASL.

During the Illinoian Age glaciation the ice sheet first advanced to just north of Cincinnati blocking the Ancestral Ohio and Licking Rivers, forming large glacial lakes. Silts and clays were deposited to an elevation of 525 feet ASL in these long lakes. Later the ice sheet front advanced to the present Ohio River depositing glacial till to an elevation of 640 feet ASL over the lake deposits. The water from these glacial lakes breached the drainage divide just south of the ice sheet near Anderson's Ferry to form the present Ohio River. After the retreat of the Illinoian ice sheet Little Duck Creek was formed in the Norwood Trough. It is a southwestern flowing stream draining to the Ohio River. Because of the limited size of Little Duck Creek, the stream did not extensively cut through this fill before the next period of glaciation.

The Wisconsin glacier did not advance as far southward as the Illinoian ice sheet. Because of this, it did not cause any major changes in the drainage patterns. Due to the meltwater from this nearby ice sheet the sediment load in the Little Miami and Ohio Rivers increased and the two valleys were filled with outwash deposits to an elevation of 540 feet ASL. This outwash material consists of sands and gravels. These deposits dammed up the lower section of Little Duck Creek forming a small lake. Clay and silts were deposited in

this lake.

Presently Little Duck Creek has down-cut through these deposits to an elevation of 480 feet ASL. Along the creeks, alluvium floodplain deposits of Recent Age clays and silts occur to a depth of up to 25 feet.

3.3. Stratigraphy and Structure

The project area is underlain by limestone and shale of Middle to Late Ordovician age. The ridge-tops are capped with limestone of the Fairmount member of the Fairview formation. This limestone forms high bluffs overlooking the downtown section of the city. The base of this limestone is at an elevation of approximately 700 feet ASL. Beneath this limestone is the Eden Group, which consists of moderately hard calcareous shale with approximately 15 percent interbedded hard bioclastic and nodular limestone beds. Rocks of the Eden Group form the valley walls along Little Duck Creek. The base of the Eden Group is at an elevation of approximately 470 feet ASL. Beneath the Eden Group is the Cynthiana Group, which is 105 feet thick. The Cynthiana Group consists of calcareous shale interbedded with 30 percent hard, fine to coarse grained limestone. The limestone occurs in both tabular beds up to 10 inches thick and in irregular beds.

The area is situated on the northern flank of the Cincinnati Arch. This structural feature is a gently dipping elongated dome with the centerline of its broad axis trending NNE through the project area. The dip of the strata is undulating and irregular but with a general northward dip of 5 to 10 feet per mile.

There are no major seismic faults in the Little Duck Creek drainage basin. The area lies on the border between seismic zones 1 (minor damage) and 2 (moderate damage). Seismic events in southwestern Ohio have been mild and infrequent.

3.4. Site Geology

The geology of Little Duck Creek is based on the geologic history of the region during the Pleistocene age. The last three glaciation periods had major effects on the Norwood Trough and Little Duck Creek, which flows through this valley. During the Illinoian glaciation the Norwood Trough was filled with glacial lake deposits, consisting of clay and silt, and capped with glacial till. After this filling the 1 1/2 mile wide valley was abandoned by the major regional rivers and the present day Little Duck Creek was formed in their place. During the interglacial period, some of the glacial lake deposits were removed by the rapidly down-cutting Little Duck Creek. Then during the Wisconsin age glaciation the lower Little Duck Creek was filled to an elevation of 540 feet ASL with glacial outwash material consisting of sand and gravel, and lake deposits consisting of clay and silt. Since the last glaciation Little Duck Creek has down-cut 40 feet through the outwash material to an elevation of 480 feet ASL. Recent age alluvium floodplain deposits of clays and silts have

6.2. Geotechnical Recommendations for the U-Channel and Sheet Pile I-Wall

To evaluate the soil conditions within the project boundaries, the following parameters were assumed based on existing information from previous and on-going projects in the vicinity of this study. The assumed values are the following:

Drained Condition

$$\phi = 27^\circ$$

$$c = 0 \text{ psf}$$

$$\gamma_{\text{mst}} = 127 \text{ pcf}$$

$$\gamma_{\text{sat}} = 127 \text{ pcf}$$

Undrained Condition

$$\phi = 0^\circ$$

$$c = 500 \text{ psf}$$

$$\gamma_{\text{mst}} = 127 \text{ pcf}$$

$$\gamma_{\text{sat}} = 127 \text{ pcf}$$

These values were used in the computer program CWALSHT (developed by WES – Waterways Experiment Station) to determine the depth of sheet piling for the I-Wall at Nightingale Court.

At the downstream end of the U-Channel, 18-inches of ODOT Type B riprap with 6-inches of bedding (ODOT #1's or 24"s) will be placed from top of bank to top of bank for a total transition area of approximately 200 lineal feet. The disposal site for the excavation associated with the construction of the U-Channel and the sheet pile I-Wall will be in the abandoned right overbank area downstream of Germania with any other excess to Hafner & Sons Landfill, 5445 Wooster Road. This is a state approved landfill.

7. RECOMMENDED PLAN



The recommended plan for the subject study is the buyout (LD-D2) subject to policy clearance and CAP program funding.

8. PROPOSED FUTURE CIVIL AND GEOTECHNICAL WORK

Additional work during the PED (Planning Engineering and Design) phase of study for plans LD-C1 and LD-D1 will include the following:

- a. New mapping generated from aerial photography will provide more precise information with respect to project layout, coordinates, quantity determinations, etc.
- b. Subsurface exploration to identify existing soils, groundwater and location of bedrock within the project limits.
- c. Laboratory testing of samples obtained during the subsurface exploration for the purposes of determining the foundation parameters to be used for design of the concrete U-channel and sheet pile I-Wall.

ENVIRONMENTAL ASSESSMENT

**LITTLE DUCK CREEK, FAIRFAX, OHIO
FLOOD DAMAGE REDUCTION PROJECT
DETAILED PROJECT REPORT**

**APPENDIX F
ENVIRONMENTAL ASSESSMENT /
FINDING OF NO SIGNIFICANT IMPACT**

ENVIRONMENTAL ASSESSMENT

FLOOD DAMAGE REDUCTION
PROJECT

LITTLE DUCK CREEK
VILLAGE OF FAIRFAX
HAMILTON COUNTY, OHIO

U.S. Army Corps of Engineers
Louisville District
600 Dr. Martin Luther King, Jr
Louisville, KY 40202-2232

August 2001

ENVIRONMENTAL ASSESSMENT
FLOOD DAMAGE REDUCTION PROJECT
LITTLE DUCK CREEK
VILLAGE OF FAIRFAX
HAMILTON COUNTY, OHIO

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1. Murray Avenue from the bridge over Little Duck Creek
2. Bedford Avenue from the intersection with Simpson Avenue facing East
3. Simpson Avenue from the intersection with Bedford Avenue facing South
4. Bancroft Street from the intersection with Simpson Avenue facing East
5. Watterson Road from the intersection with Bancroft Street facing North
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7. South Wetsel Avenue from the intersection with Bancroft Street facing North
8. Nightingale Court

EXHIBITS

1. Coordination Letter with U.S. Fish and Wildlife Service, August 14, 2001
2. Coordination Letter with Ohio Department of Natural Resources, August 21, 2001

**ENVIRONMENTAL ASSESSMENT
FLOOD DAMAGE REDUCTION PROJECT
LITTLE DUCK CREEK
VILLAGE OF FAIRFAX
HAMILTON COUNTY, OHIO**

I. PROJECT DESCRIPTION

A. Proposed Flood Damage Reduction Project

The proposed Flood Damage Reduction Project is located in the floodplain of Little Duck Creek in the Village of Fairfax, Hamilton County, Ohio. The commercial and residential properties situated in the floodplain along Little Duck Creek are subject to periodic flooding. There have been three major flood events since 1989, the most recent flood event occurred in July 2001, when the flooding was comparable to the 100-year flood. There were two fatalities associated with this flood event. This most recent flood event proves the need for this flood reduction project. The proposed non-structural project will provide the threatened areas of the Village of Fairfax (the whole village?) with protection from 1% chance flood events.

The non-structural project will relocate 75 structures in two separate areas that are approximately one mile apart, and restore the evacuated area to a more natural condition. Seventy of these structures are located between Murray Avenue and Bancroft Street. The remaining 5 structures are located on Nightingale Court, approximately one mile southwest of Bancroft Street. In addition, the project will incorporate measures to restore the habitat of the floodplain. The location of the project is shown on Figure 1. Color photographs of the project area are enclosed as Plates 1 through 8.

B. Project Authority

Section 205 of the 1948 Flood Control Act, as amended, provides the authorization for this project. Section 205 gives the Corps of Engineers, through the Secretary of the Army, the authority to construct small projects for flood control and related purposes that are not specifically authorized by Congress. Projects recommended for construction under Section 205 must be economically justified and limited to a federal cost of \$7 million.

Section 212 of the Water Resources Development Act of 1999 could also be used as the implementing authority for the proposed project.

II. PRESENT ENVIRONMENTAL SETTING

A. Topography/Soils

The project area lies within a mapped area of Genesee-Urban land complex. This complex is found on floodplains and consists of a deep, nearly level, well-drained Genesee soil and Urban land.

B. Floodplain

The land encompassed by the proposed project lies within the 100-year floodplain.

C. Vegetation

The project area has been developed for residential properties. The vegetation associated with these properties consists of ornamental flowers, bushes, and trees and grasses.

D. Wildlife Habitat

The proposed project is located in an area developed for commercial and residential uses. The landscape consists of buildings and maintained lawns. Consequently, there is minimal terrestrial wildlife in the project area. Little Duck Creek has intermittent flows and is frequently dry during non-rainfall periods.

E. Regulated Hazardous Contaminants

The Louisville and Pittsburgh Districts conducted a Phase I Environmental Baseline Study survey in August 2001. Individual inspections of the houses were not conducted. However, considering that the houses were constructed between 1910 and 1970, it is assumed that they contain lead-based paint, asbestos, and possibly polychlorinated biphenyls (PCBs). There are also underground and aboveground storage tanks located on some properties. VISTA Information Solutions, Inc. was contracted to search and compile environmental records. The search area for this compilation extends one mile from the center of each of the two areas in the proposed project. The Map of Sites within One Mile, Description of Databases Searched, Site Distribution Summary and Site Inventory sections of both areas are attached as Attachments 1 and 2.

F. Hydrology

Little Duck Creek flows southwest to its confluence with Duck Creek below Wooster Road. Duck Creek is a tributary of the Little Miami River, which is a tributary of the Ohio River. Little Duck Creek has a drainage area of 4.5 square miles, and the watershed is composed of predominantly residential development.

G. Water Quality

The primary source of Little Duck Creek's flow is urban runoff from storm and combined sewers. The streambeds are typically dry during the summer – the creek is subject to low flow or cessation of flow during dry periods.

H. Wetlands

The project area consists of houses and yards. A site investigation by Corps, US Fish and Wildlife Service, and Ohio Department of Natural Resources personnel) and a review of the

National Wetlands Inventory map for the project area indicated that there are no wetlands that will be effected by this proposed project.

I. Endangered Species

The District consulted with the Ohio Office of the U.S. Fish and Wildlife Service (USFWS) and the Ohio Division of Natural Resources (ODNR) regarding the known presence of species of concern within the project area. The District received a letter from the USFWS indicating that the proposed project lies within the range of the Indiana bat (*Myotis sodalis*) and running buffalo clover (*Trifolium stoloniferum*), Federally-listed endangered species, and the bald eagle (*Haliaeetus leucocephalus*), a Federally-listed threatened species (Exhibit 1).

A letter was received from the ODNR indicating that the proposed action will not impact any state-listed threatened or endangered species (Exhibit 2).

J. Cultural Resources

There are over 300 archaeological sites and structures listed on the National Register of Historic Places in Hamilton County, Ohio. None of these National Register sites are located in the little Duck Creek project area.

The project area contains 32 structures that were built between 1910 and 1950. It is not currently known whether any of these structures are eligible for listing on the National Register. A number of the structures do show evidence of alteration that would compromise site integrity. Information on the structures is being provided to the Ohio State Historic Preservation Officer for review and comment.

The project's location in the floodplain puts it in an environmental setting that has been known, in other similar settings, to contain buried archaeological deposits. There are no known archeological sites in the project area. Additionally, the residential construction and associated utility construction has disturbed over 3 feet of the original soil strata. Therefore, the potential for undisturbed surface or near surface archaeological sites is small. This investigation was performed by Corps archaeologists.

K. Scenic Rivers

Little Duck Creek is not designated as a component of the Federal Wild and Scenic River System or the Ohio Wild, Scenic, and Recreational River System.

L. Recreation

The project area consists of residential buildings. There are no recreational areas and Little Duck Creek is not used for recreation.

M. Air Quality

The concentrations of measured air pollutants in Hamilton County are low and the county is designated as an attainment area by the U.S. Environmental Protection Agency.

N. Noise

Ambient noise levels in the project area are typical of small town residential areas. The main source of noise is from automobile traffic. Although average local noise measurements have not been measured, it is estimated that the noise levels during daylight hours would be approximately 60 decibels, characteristic of a small town area. These levels would decrease during nighttime, when the volume of traffic is lighter.

O. Socio-economic Resources

Development along the floodplain of Little Duck Creek is residential. All 75 houses in the project area are occupied. The proposed project will protect the residents of the area by relocating them to structures outside of the floodplain.

III. PROPOSED ACTION AND ALTERNATIVES

A. Proposed Action

The proposed Flood Damage Reduction project will involve relocating the households of 75 structures to homes outside of the floodplain. Seventy homes are located between Murray and Bancroft Avenues. The five remaining homes are located approximately one mile South of Bancroft Avenue on Nightingale Court. Maps showing the project limits for the two areas are enclosed as Figures 2 and 3. The houses along Murray Avenue, Bancroft Avenue, Bedford Avenue, Simpson Avenue, Warren Avenue, Watterson Avenue, Central Avenue, and Nightingale Court that are in the project area and are numbered on the maps will be demolished. The streets and sidewalks that are located within the project limits, with the exception of Watterson Avenue, will also be demolished. The existing highway bridges over the stream at Bedford Avenue and Bancroft Avenue will be demolished and removed. The debris from the demolition will be disposed of at Hafner and Sons Landfill, a licensed landfill located on Wooster Road, approximately 2 miles from the project area. (The real estate acquisition for this project will begin in July 2002. It is estimated that acquisition of structures will take two years. As buildings are acquired, they will be demolished.)

As the houses are demolished, the area will be mulched and seeded with native grasses to protect the soil from erosion. In addition, native trees (including red maple (*Acer rubrum*), Tulip Tree (*Liriodendron tulipifera*), Black Gum (*Nyssa sylvatica*), and Pin Oak (*Quercus rubra*)), shrubs (including Red Chokeberry (*Aronia arbutifolia*), Silky Dogwood (*Cornus amomum*), and Arrowwood Viburnum (*Viburnum dentatum*)), and perennials will be planted throughout the project area to restore the floodplain, as closely as possible, to its pre-developed state.

B. Alternative Actions

The alternative actions studied for the Flood Damage Reduction project at Little Duck Creek included construction of levees/floodwalls or replacing the existing stream channel with a concrete lined channel large enough to contain a 100-year flood flow. These alternatives were not acceptable because of their significant environmental effects including alteration of the natural stream bank and channel. Also, those alternatives were determined to be much more cost prohibitive than the proposed project. In addition, these alternatives would prevent the flooding of the floodplain and would affect the hydrology of Little Duck Creek. The preferred alternative would allow the floodplain to continue flooding during large events and would not disrupt the hydrology of the stream.

C. No Action Alternative

Taking "No Action" at Little Duck Creek is an option. However, without the proposed action, the structures would continue to be damaged during frequent flood events. The existing and continued risk of loss of life would remain under the "No Action" alternative. Because of this, the "NO Action" alternative was not selected as the selected alternative.

IV. ENVIRONMENTAL IMPACTS OF PROPOSED ACTION

A. Topography/Soils

The proposed project will not affect the topography or soils in the area. Native vegetation will be planted after the houses are demolished. This will prevent soil erosion.

B. Floodplain

The proposed project involves demolishing structures and roads and will not adversely impact the floodplain. The restoration phase of the proposed project will improve the floodplain by restoring approximately 16 acres of land currently developed for residential purposes to a more natural condition.

C. Vegetation

The proposed project will involve removing some of the established ornamental vegetation associated with the structures. Once the demolition is complete, native vegetation will be planted throughout the project area. This restoration will have a positive effect on vegetation in the project area.

D. Wildlife Habitat

Because of the residential development of the area, there is minimal wildlife habitat in the project area. The restoration phase of the proposed project will have a positive effect on wildlife habitat in the project area by restoring approximately 16 acres of land currently developed for residential purposes to a more natural condition.

E. Regulated Hazardous Contaminants

Because the houses were constructed between 1910 and 1970, it is assumed that they contain lead-based paint, asbestos, and possibly polychlorinated biphenyls (PCBs). There are also underground and aboveground storage tanks located on some properties. The District will notify the ODNR and Ohio Environmental Protection Agency, Division of Hazardous Waste Management prior to any demolitions and removals to determine whether a survey and/or permit may be required for the action. All regulated hazardous materials will be removed and disposed per the applicable state and/or federal laws and regulations.

F. Water Quality

There will be no project activities on the banks of Little Duck Creek other than the demolition and removal of the existing highway bridges at Bedford Avenue and Bancroft Avenue. The proposed project will not impact the water quality of the stream. The Section 401 Water Quality Certificate will be obtained prior to project implementation.

G. Wetlands

There are no wetlands in the project area. Therefore, the project will not impact wetlands.

H. Endangered Species

The USFWS, in consultation under Section 7 of the Endangered Species Act, informed the District that the proposed project lies within the range of the Indiana bat, running buffalo clover, and the bald eagle (Exhibit 1). Because of the nature of the project, there will be no impacts on running buffalo clover or bald eagles. The summer habitat requirements for the Indiana bat are not well defined but are thought to include dead trees and snags along riparian corridors and live trees with exfoliating bark. No trees with exfoliating bark were identified during the site investigation in August 2001. If trees with exfoliating bark are identified during implementation of the project, the District will save them wherever possible. If they cannot be saved, they will be cut down between April 15 and September 15 to avoid impacting any nesting of the Indiana bats that may be in the area.

ODNR reviewed the Ohio Natural Heritage Database and determined that the project will not impact any state-listed endangered, threatened, or rare species (Exhibit 2).

I. Cultural Resources

The National Register of Historic Places has been consulted, and it has been determined that there are no properties currently listed on the Register which would be directly affected by the proposed work.

The project area does contain 32 structures that were built between 1910 and 1950. It is not currently known whether any of these structures are eligible for listing on the National Register. A number of the structures do show evidence of alteration that would compromise site integrity.

Information on the structures is being provided to the Ohio State Historic Preservation Officer for review and comment. Evaluation of the 32 structures for National Register eligibility will be undertaken through consultation with the Ohio State Historic Preservation Officer and other interested parties in compliance with the National Historic Preservation Act and 36 CFR Part 800. Mitigation efforts will be developed through this same process for any structure considered eligible for listing on the National Register of Historic Places.

Coordination with the Ohio State Historic Preservation Officer and other appropriate parties will be undertaken prior to demolition of any structure potentially eligible for listing on the National Register of Historic Places.

J. Scenic Rivers

Little Duck Creek is not designated as a component of the Federal Wild and Scenic River System or the Ohio Wild, Scenic, and Recreational River System. Therefore, the proposed project will not affect any scenic rivers.

K. Recreation

There are no recreational resources in the project area; therefore, the proposed project will not impact recreation.

L. Air Quality

There may be some insignificant short-term negative impacts to air quality from equipment used during completion of the project. No long-term impacts are anticipated.

M. Noise

Noise impacts from use of equipment will be temporary and minimized by limiting the construction to daylight hours. No noise impacts will occur after the work is complete.

N. Socio-economic Resources

The proposed project will benefit the socio-economic resources in the area by protecting the residents. Relocating the residents to areas outside of the floodplain will prevent them from suffering further damages from flooding. No minority or low-income populations will be adversely affected by the proposed project.

O. Cumulative Impacts

No negative cumulative impacts will result from the proposed project. Positive cumulative effects will occur since by restoring approximately 16 acres of land currently developed for residential purposes to a more natural condition, and by eliminating the threat to loss of life due to flooding..

V. STATUS OF ENVIRONMENTAL COMPLIANCE

Statute / Executive Order	Full	Partial ¹	N/A
National Environmental Policy Act		X	
Fish and Wildlife Coordination Act		X	
Endangered Species Act	X		
Clean Water Act		X	
Wild and Scenic Rivers Act			X
Clean Air Act			X
National Historic Preservation Act		X	
Archeological Resources Protection Act			X
E. O. 11988 Floodplain Management	X		
E. O. 11990 Protection of Wetlands	X		
E.O. 12898 Environmental Justice in Minority and Low-Income Populations	X		

¹ Compliance with these environmental protection statutes will be fully achieved upon completion of coordination with the Ohio Historic Preservation Office and public review of this Environmental Assessment and Draft Finding of No Significant Impact, and there being no unresolved comments.

VII. PUBLIC COORDINATION

This Environmental Assessment and Draft Finding of No Significant Impact will be circulated to the following organizations for review and comment:

Mr. Albert Fendedict (B-19J)
U.S. Environmental Protection Agency
Region 5
77 West Jackson Boulevard
Chicago, IL 60604

Holly Utrata-Halcomb
District Administrator
Hamilton County Soil and Water Conservation District
29 Triangle Park Drive, Suite 2901
Cincinnati, OH 45246-3411

Mr. Kenneth C. Lammers
Acting Supervisor
U.S. Fish and Wildlife Service
6950-H Americana Parkway
Reynoldsburg, OH 43068

Mr. Rick Queen
Ohio EPA
Division of Surface Water
P.O. Box 1049
Columbus, OH 43216-1049

Mr. Mark Epstein, Department Head
Resource Protection and Review
Ohio Historic Preservation Office
Ohio Historical Society
567 East Hudson Street
Columbus, Ohio 43211-1030

A copy of the EA and Draft FONSI will also be placed in the following nearby public library for public review:

Madisonville Library
4830 Whetsel Ave.
Cincinnati, OH 45227



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ecological Services
6950 Americana Parkway, Suite H
Reynoldsburg, Ohio 43068-4132

(614) 469-6923/FAX (614) 469-6919

August 14, 2001

Edward J. Smith
Pittsburgh District
U.S. Army Corps of Engineers
1000 Liberty Avenue
Pittsburgh, PA 15222-4186

Dear Mr. Smith:

This is in response to your August 14, 2001 letter requesting information we may have regarding the occurrence or possible occurrence of Federally-listed threatened or endangered species, or other comments relating to the fish and wildlife resources within the vicinity of the possible Flood Damage Reduction Project in the floodplain of Little Duck Creek in the Village of Fairfax, Hamilton County, Ohio.

The most recent flood event occurred in July 2001, when flooding was comparable to the 100-year flood. The preferred alternative involves relocating between 55 and 75 structures in the floodplain to areas above the 100-year floodplain. The project will incorporate measures to restore the habitat in the stream and floodplain.

In general, we are very supportive of moving flood-susceptible buildings out of the floodplain and allowing it to function in a natural manner. We recommend that the stream and floodplain be allowed to restore itself naturally after denuded areas have been seeded and mulched to protect them from erosion. If the area has hydric soils, drainage tile should be removed or plugged to promote natural wetland restoration. Since we do not know if trees would be cut during the moving of the structures, we are providing the following comments to avoid impacting listed species.

ENDANGERED SPECIES COMMENTS: The proposed project lies within the range of the Indiana bat (*Myotis sodalis*), a Federally listed endangered species. Summer habitat requirements for the species are not well defined but the following are thought to be of importance:

1. Dead trees and snags along riparian corridors especially those with exfoliating bark or cavities in the trunk or branches which may be used as maternity roost areas.
2. Live trees (such as shagbark hickory) which have exfoliating bark.

3. Stream corridors, riparian areas, and nearby woodlots which provide forage sites.

Considering the above items, we recommend that if trees with exfoliating bark (which could be potential roost trees) are encountered in the project area, they and surrounding trees should be saved wherever possible. If they must be cut, they should not be cut between April 15 and September 15.

If desirable trees are present and if the above time restriction is unacceptable, mist net or other surveys should be conducted to determine if bats are present. The survey should be designed and conducted in coordination with the endangered species coordinator for this office. The survey should be conducted in June or July since the bats would only be expected in the project area from approximately April 15 to September 15.

The proposed project also lies within the range of the running buffalo clover (*Trifolium stoloniferum*), a Federally listed endangered species and the bald eagle (*Haliaeetus leucocephalus*), a Federally-listed threatened species. Due to the project type and location, the project, as proposed, will have no effect on this species. Relative to these two species, this precludes the need for further action on this project as required by the 1973 Endangered Species Act, as amended. Should the project be modified or new information become available that indicates listed or proposed species may be affected, consultation should be initiated.

These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the Endangered Species Act of 1973, as amended, and are consistent with the intent of the National Environmental Policy Act of 1969 and the U. S. Fish and Wildlife Service's Mitigation Policy.

If you have questions, or if we may be of further assistance in this matter, please contact Ken Lammers at extension 15 in this office.

Sincerely,



Kenneth C. Lammers
Acting Supervisor

cc: ODNR, Div. of Wildlife, Environmental Section, Columbus, OH
Ohio EPA, Water Quality Monitoring, Columbus, OH



Ohio Department of Natural Resources

BOB TAFT, GOVERNOR

SAMUEL W. SPECK, DIRECTOR

Division of Natural Areas & Preserves

Stuart Lewis, Chief

1889 Fountain Square, Bldg. F-1

Columbus, OH 43224-1388

Phone: (614) 265-6453; Fax: (614) 267-3096

August 21, 2001

Deborah Duda
Department of the Army
Pittsburgh District, Corps of Engineers
William S. Moorhead Federal Building
1000 Liberty Avenue
Pittsburgh, PA 15222-4186

Dear Ms Duda:

The Ohio Natural Heritage Database contains no records for rare species or unique natural features within the unnamed tributary to Duck Creek located in Fairfax, Hamilton County, Cincinnati East Quad. There are no state nature preserves, state forests, state wildlife areas or state parks in the vicinity of your project area. Because Duck Creek is a tributary to the Little Miami, a state and national scenic river, you should contact Don Rostofer, the scenic rivers coordinator for this stream, for input on the restoration of this area and the disposition of the property. Don's postal address, phone number and e-mail address are given below:

Don Rostofer, Little Miami Scenic River Coordinator
5349 Wilmington Road
Oregonia, OH 45054
(513)934-0751
drostofer@go-concepts.com

Because our inventory program has not completely surveyed Ohio and relies on information from a number of individuals and organizations, a lack of records for any particular area is not a statement that rare species or significant natural features are absent from a site. Please contact me if I can be of any further assistance.

Sincerely,

Patricia D. Jones
Data Services Administrator
Support Services Group

cc: Don Rostofer

**DRAFT
FINDING OF NO SIGNIFICANT IMPACT**

**FLOOD DAMAGE REDUCTION PROJECT
LITTLE DUCK CREEK
VILLAGE OF FAIRFAX
HAMILTON COUNTY, OHIO**

Under Section 205 of the 1948 Flood Control Act, the Village of Fairfax, Hamilton County, Ohio, requested the Louisville District, U.S. Army Corps of Engineers, to undertake a flood damage reduction project along the banks of Little Duck Creek to protect residences. The project will protect 75 homes from flooding. The project consists of demolishing 75 structures in the floodplain and revegetating the floodplain with native vegetation. The residents of the 75 homes to be demolished will be relocated in within the local area in suitable replacement housing per Federal law and regulation.

Under the National Environmental Policy Act, the Louisville District Corps of Engineers (District) prepared an Environmental Assessment of the proposed action that was circulated for public review in August 2001. The District coordinated with the Ohio Division of Natural Resources to determine potential impacts to state-listed species. No state-listed species are known to occur in the project area. Separate coordination was undertaken with the U.S. Fish and Wildlife Service (USFWS) for compliance with the Fish and Wildlife Coordination Act and the Endangered Species Act. The proposed project lies within the range of the Indiana bat (*Myotis sodalis*) and running buffalo clover (*Trifolium stoloniferum*), Federally-listed endangered species, and the bald eagle (*Haliaeetus leucocephalus*), a Federally-listed threatened species. The USFWS determined that because of the project type and location, the project will not affect the bald eagle or the running buffalo clover. To avoid impacting any Indiana bats that may be in the project area, the District will save trees with exfoliating bark wherever possible. Any tree with exfoliating bark that cannot be saved will not be cut between April 15 and September 15.

This project design will comply with all applicable environmental laws. Coordination under Section 7 of the Endangered Species Act with the U.S. Fish and Wildlife Service has been completed. Coordination under Section 106 of the National Historic Preservation Act with the Ohio Historic Preservation Office is being completed.

Potential impacts were assessed with regard to floodplains, vegetation, fish and wildlife habitat, regulated hazardous wastes, hydrology, water quality, wetlands, endangered species, cultural resources, scenic rivers, air quality, noise, and socio-economic resources, including impacts to minority and low-income populations.

Based on an evaluation of the Environmental Assessment, it is my opinion that implementation of the proposed flood damage reduction project is not a major federal action significantly affecting the quality of the human environment.

Considering all beneficial and detrimental aspects relating to this work, I have reasonably concluded that there will not be any significant adverse impacts and that the public interest will

be best served by the completion of this project. The preparation of an Environmental Impact Statement under the National Environmental Policy Act is not warranted. The District's final opinion will consider the comments received from the public review of the Environmental Assessment.

Date

Robert E. Slockbower
Colonel, Corps of Engineers
District Engineer

ECOSYSTEM RESTORATION

(Attached information was prepared for total buy-out of 70+ homes. For this application, total area is reduced from 12 to 5 acres and vegetation would be reduced 35%)

**LITTLE DUCK CREEK, FAIRFAX, OHIO
FLOOD DAMAGE REDUCTION PROJECT
DETAILED PROJECT REPORT**

**APPENDIX G
ECOSYSTEM RESTORATION COMPONENT**

REVEGETATION GUIDELINES

Planting Schedule

SEEDING RATES:

<u>Seed Species</u>	<u>Seeding Rate (lbs/acre)</u>
Alsike Clover	6
Ladino Clover	10
Orchard	7
Annual Ryegrass	<u>25</u>
Total	48

It is estimated that only 75% of the site will be disturbed and require erosion control seeding.

16 acres x 0.75 = 12 acres of total seeding required.

MULCH:

Hydromulching with wood cellulose fiber @ 1 ½ - 2 tons/acre.

12 acres of hydromulching required.

FERTILIZER:

10 • 20 • 10 @ 1000 lbs. /acre

12 acres x 1000 lbs./acre = 6 tons of fertilizer required.

TREES:

<u>Species</u>	<u>Common Name</u>	<u>Size</u>	<u>Quantity</u>
Acer rubrum	Red Maple	6-8'	150
Betula nigra	River Birch	8-10'	100
Crataegus phaenopyrum	Washington Hawthorn	5-6'	150
Fraxinus americana	American Ash	6-8'	150
Liriodendron tulipifera	Tulip Tree	6-8'	150
Nyssa sylvatica	Black Gum	6-9'	100
Pinus strobes	Eastern White Pine	4-6'	250
Quercus palustris	Pin Oak	6-8'	100
Quercus rubra	Red Oak	6-8'	150
Tilia americana	American Linden	6-8'	<u>100</u>
	TOTAL		1400

SHRUBS:

<u>Species</u>	<u>Common Name</u>	<u>Size</u>	<u>Quantity</u>
Aronia arbutifolia	Red Chokeberry	3-4'	500
Cornus amomum	Silky Dogwood	3-4'	300
Cornus racemosa	Gray Dogwood	3-4'	400
Hamamelis virginiana	Witch-hazel	3-4'	300
Viburnum dentatum	Arrowwood Viburnum	3-4'	500
Viburnum lentago	Nannyberry	3-4'	500
TOTAL			2500

The above planting schedule reflects approximately 40% reforestation with trees, 15% coverage with shrubs and 45% open fields.

All trees and shrubs are native to the State of Ohio.

NATIVE OHIO TREE SPECIES SUITABLE FOR PLANTING WITHIN ONE-THOUSAND FEET OF STATE SCENIC RIVERS

Box Elder - *Acer negundo* +
 Red Maple - *Acer rubrum* +
 Silver Maple - *Acer saccharinum* +
 Sugar Maple - *Acer saccharum*
 Black Maple - *Acer nigrum*

Green Ash - *Fraxinus pennsylvanica* +
 White Ash - *Fraxinus americana* +

Black Oak - *Quercus velutina*
 Bur Oak - *Quercus macrocarpa*
 Chestnut Oak - *Quercus montana*
 Chinquapin Oak - *Quercus muehlenbergii*
 Shingle Oak - *Quercus imbricaria*
 Pin Oak - *Quercus palustris* +
 Red Oak - *Quercus rubra*
 Swamp White Oak - *Quercus bicolor* +
 White Oak - *Quercus alba*
 Post Oak - *Quercus stellata*

Ohio Buckeye - *Aesculus glabra*
 Yellow Buckeye - *Aesculus octandra*

Red Mulberry - *Morus rubra*

Downy Serviceberry - *Amelanchier arborea*

Honey Locust - *Gleditsia triacanthos* +
 Black Locust - *Robinia pseudoacacia*
 Kentucky Coffeetree - *Gymnocladus dioica*
 Eastern Redbud - *Cercis canadensis*

American Basswood - *Tilia americana*

Red Osier Dogwood - *Cornus sericea* +
 Silky Dogwood - *Cornus amomum* +
 Gray Dogwood - *Cornus racemosa*
 Rough Leaved Dogwood - *Cornus drummondii*

Black Willow - *Salix nigra* +
 Sandbar Willow - *Salix exigua* +
 Eastern Cottonwood - *Populus deltoides* +

Black Walnut - *Juglans nigra* +

Shagbark Hickory - *Carya ovata*
 Shellbark Hickory - *Carya laciniosa*
 Bitternut Hickory - *Carya cordiformis*
 Pignut Hickory - *Carya glabra*
 Mockernut Hickory - *Carya tomentosa*

American Beech - *Fagus grandifolia*

American Elm - *Ulmus americana* +
 Slippery Elm - *Ulmus rubra* +

Hackberry - *Celtis occidentalis*

Tuliptree - *Liriodendron tulipifera*
 Cucumbertree - *Magnolia acuminata*

Pawpaw - *Asimina triloba* +

Black Cherry - *Prunus serotina*

Sycamore - *Platanus occidentalis* +

Sweetgum - *Liquidambar styraciflua*

River Birch - *Betula nigra* +

+ species suitable for planting within the one-hundred year floodplain

**NATIVE OHIO LOW-GROWING TREE OR SHRUB SPECIES
SUITABLE FOR PLANTING WITHIN ONE-THOUSAND FEET OF
STATE SCENIC RIVERS**

Spicebush - *Lindera benzoin*
Red Chokeberry - *Aronia arbutifolia* +
Black Chokeberry - *Aronia melanocarpa* +
Common Winterberry - *Ilex verticillata* +
Bush Cinquefoil - *Potentilla fruticosa* +
American Elderberry - *Sambucus canadensis* +
Witherod Viburnum - *Viburnum cassinoides* +
Virginia Creeper - *Parthenocissus quinquefolia* +
American Hornbeam - *Carpinus caroliniana*
Eastern Hophornbeam - *Ostrya virginiana*
Prairie Rose - *Rosa setigera*
Limber Honeysuckle - *Lonicera dioica*
American Filbert - *Corylus americana*
Dwarf Bush Honeysuckle - *Diervilla lonicera*
Smooth Hydrangea - *Hydrangea arborescens*
Carolina Rose - *Rosa carolina*
Fragrant Thimbleberry - *Rubus odoratus*
Common Deerberry - *Vaccinium stamineum*
Leatherwood - *Dirca palustris*
Fragrant Sumac - *Rhus aromatica*
Staghorn Sumac - *Rhus typhina*
Scarlet Elder - *Sambucus pubens*
Common Buttonbush - *Cephalanthus occidentalis* +
Common Ninebark - *Physocarpus opulifolius* +

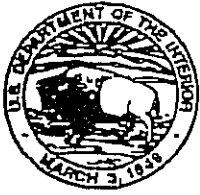
+ species suitable for planting within the one-hundred year floodplain

**NATIVE OHIO GRASS SPECIES SUITABLE FOR PLANTING
WITHIN ONE-THOUSAND FEET STATE SCENIC RIVERS**

*- Note: a riparian forest buffer, a minimum of one-hundred twenty feet in depth from the top of the stream bank, should be established for bank stabilization purposes — grasses do not have sufficient root mass for stream bank stabilization

Switch Grass - *Panicum virgatum*
Prairie Cordgrass - *Spartina pectinata*
Little Blue Stem - *Schizachyrum scoparium*
Indian Grass - *Sorghastrum nutans*

Blue Joint - *Calamagrostis canadensis*
Wild Rye - *Elymus riparius* & *E. virginicus*
Big Bluestem - *Andropogon gerardii*



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ecological Services
6950 Americana Parkway, Suite H
Reynoldsburg, Ohio 43068-4132

(614) 469-6923/FAX (614) 469-6919

August 14, 2001

Edward J. Smith
Pittsburgh District
U.S. Army Corps of Engineers
1000 Liberty Avenue
Pittsburgh, PA 15222-4186

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If you have questions, or if we may be of further assistance in this matter, please contact Ken Lammers at extension 15 in this office.

Sincerely,



Kenneth C. Lammers
Acting Supervisor

cc: ODNR, Div. of Wildlife, Environmental Section, Columbus, OH
Ohio EPA, Water Quality Monitoring, Columbus, OH

LIST OF PROPOSED BUY-OUTS
(Highlited)

TABLE 1
NON-STRUCTURAL PROPERTIES

<u>Address</u>	<u>Tax ID Number</u>	<u>Square Footage</u>	<u>Year Built</u>
<u>PLAN LD-C2</u>			
5582 Nightingale Court	70209	952	1964
5580 Nightingale Court	70210	925	1964
5578 Nightingale Court	70211	925	1964
5577 Nightingale Court	70212	925	1964
5579 Nightingale Court	70213	925	1964

<u>PLAN LD-D2</u>			
3940 Germania Avenue	60049	1,409	1935
3972 Germania Avenue	60613	1,000	1910
3973 South Whetsel Avenue	60612	925	1965
3975 South Whetsel Avenue	60611	988	1965
3977 South Whetsel Avenue	60610	988	1965
3979 South Whetsel Avenue	60609	988	1965
3983 South Whetsel Avenue	60607,8	1,464	1955
3985 South Whetsel Avenue	60605,6	972	1963
3989 South Whetsel Avenue	60604	1,264	1910
3991 South Whetsel Avenue	60603	688	1919
3993 South Whetsel Avenue	60602	1,071	1930
3972 South Whetsel Avenue	60585	988	1964
3974 South Whetsel Avenue	60586	2,964	1965
3976 South Whetsel Avenue	60587	1,325	1963
3978 South Whetsel Avenue	60588	988	1963
3980 South Whetsel Avenue	60589	1,253	1930
3982 South Whetsel Avenue	60590	748	1925
3984 South Whetsel Avenue	60591	852	1925
3986 South Whetsel Avenue	60592	928	1929
3988 South Whetsel Avenue	60593	995	1935
3990 South Whetsel Avenue	60594	1,688	1930
3973 Watterson Road	60584	680	1910
3975 Watterson Road	60583	1,187	1964
3977 Watterson Road	60582	1,448	1929
3979 Watterson Road	60581	1,496	1930
3972 Watterson Road	60557	1,174	1930
3974 Watterson Road	60558	781	1930
3976 Watterson Road	60559	1,150	1930
3975 Warren Avenue	60555,6	1,176	1962
3979 Warren Avenue	60554	988	1963

3981 Warren Avenue	60553	988	1963
3983 Warren Avenue	60552	1,064	1963
3972 Warren Avenue	60529	988	1964
3974 Warren Avenue	60530	988	1964
3976 Warren Avenue	60531	988	1964
3978 Warren Avenue	60532	988	1964
3980 Warren Avenue	60533	1,031	1970
3982 Warren Avenue	60534	1,406	1970
3984 Warren Avenue	60535	1,031	1970
3986 Warren Avenue	60536	1,031	1971
3975 Simpson Avenue	60527,8	916	1960
3979 Simpson Avenue	60526	1,098	1960
3981 Simpson Avenue	60525	952	1960
3983 Simpson Avenue	60524	1,285	1966
3985 Simpson Avenue	60523	1,148	1957
3987 Simpson Avenue	60522	1,360	1940
3989 Simpson Avenue	60521	988	1963
3989-1/2 Simpson Avenue	60520	988	1963
3991 Simpson Avenue	60519	988	1963
3993 Simpson Avenue	60517,8	1,361	1937
3980 Simpson Avenue	60419	852	1922
3986 Simpson Avenue	60469	864	1955
3992 Simpson Avenue	60470	681	1924
6203 Bedford Avenue	60468	636	1922
6205 Bedford Avenue	60466,7	1,173	1932
6211 Bedford Avenue	60464,5	925	1961
6213 Bedford Avenue	60462,3	1,128	1920
6215 Bedford Avenue	60461,2	1,080	1950
6202 Bedford Avenue	60471	1,552	1924
6204 Bedford Avenue	60472	912	1927
6206 Bedford Avenue	60473,4	1,860	1918
6210 Bedford Avenue	60475	459	1950
6212 Bedford Avenue	60476	936	1959
6214 Bedford Avenue	60477	1,040	1957
6216 Bedford Avenue	60478	988	1963
6218 Bedford Avenue	60479	950	1964
6220 Bedford Avenue	60480	950	1964
6205 Murray Road	60511,12	1,890	1941
6209 Murray Road	60510	1,141	1950
6211 Murray Road	60508,9	758	1925
6203 MURRAY RD.		1,040	1941

H-3. Valuation/Acreage/Estate.

All estates are defined in "Estates", ER 405-1-12, Real Estate Handbook, Chapter 5. No non-standard estates are required. Each required estate is stated in the cost estimates presented within this paragraph.

**PROPERTY OWNER LETTERS OF SUPPORT
FOR BUY-OUT PLAN**

Hi Jenny-

Jack & I (Lois Wynne) are will to
take the buy out of our house at
6212 Bedford, Fairfax, Ohio.

Mrs Lois Wynne

Attn: Administrator Jennifer Kaminer

I am George Pung at 6215 Bedford St.

This is to let you know I am
very interested in a buy-out.

George Pung
6215 Bedford St.
561-7615

MRS. KAMINER

IF SELLING MY PROPERTY WOULD HELP
THE VILLAGE THEN I WOULD SELL, IF IT WERE TO
BE DETRIMENTAL TO THE VILLAGE THEN I WOULD
NOT WANT TO SELL.

THANK YOU

DONALD LUECKE

6219 BEDFORD

272-0734

6214 Bedford St.
Fairfax, OH 45227

March 15, 2002

To Whom It May Concern:

This letter is to confirm that I would be very willing to participate in a buy-out that would include my home. I am extremely tired of worrying about how much rain will fall and when (not if) but when the creek will flood again. Each time it floods my basement completely fills + I get about an inch or two in the house on the first floor. Next flood will probably be worse than that. Each one seems to get a little worse.

I have no hope of ever selling this house. A buy-out is my only hope!

Sincerely

Dorothy Eve

March 16, 2002

To the Village of Fairfax Council,

I am very much interested in a buy out, as during my time of ownership of the property at 6204 Bedford St I have experienced 3 different floodings from the problems of Little Duck Creek. There has been some mention of a 100-year incident? Believe me, I don't know what that really means because from my experience it is more like around every 5 years each flood being more disastrous than the previous one. Loss of life, limb, & property is not what I had in mind when I invested my time and money in this particular venture. I am very much interested in being kept abreast of any and all future information pertaining to resolving this problem before it happens again.

Sincerely,
Michael J. Verdon
6204 Bedford Street
Fairfax, OH 454227

6202 Bedford St.
Cincinnati, Ohio
45227
March 14, 2002

Village Of Fairfax
Attn: Jennifer Kaminer, Administrator
5903 Hawthorne Street
Fairfax, OH 45227

Dear Mrs. Kaminer:

I reside at 6202 Bedford St. in the Village of Fairfax. On July 1, 2001 my property and residence experienced tremendous flood damage. I have realized losses totaling approximately \$5-10,000 over the course of the 25 years I have lived in Fairfax due to the number of floods which have occurred. There is, however, no dollar amount which can be placed on the emotional aspect of living in an area that brings constant fear of flooding.

I am supportive of a US Army Corps of Engineers project that would buy out frequently flood-damaged homes on my street and others. Please accept this letter as indication of my desire to sell my property for such a purpose.

The Village of Fairfax is a wonderful community, but I have grown weary of fighting the elements!

Sincerely,

A handwritten signature in cursive script, reading "Grace Shelley Smith". The signature is written in dark ink and is positioned below the word "Sincerely,".

3-15-02

Dear Mayor, Theodore Shannon

This is a Letter to State That Jerry And Barb Stern. Property Owners of 6216 Bedford St. would Be interested in A buy-out of the House And property AS of the worry of personal injuries And the Danger of Little Pock Creek Flooding Again. I would Like to Also point out our House was on the market Before the Flood. Since the Flood the possibilities of us Selling the House and Property are near impossible.

Thanks For your concern

Sincerely,

Jerry and Barb Stern

Village of Fairfax
Attn: Jennifer Kaminer, Administrator
5903 Hawthorne Street
Fairfax, OH 45227

March 14, 2002

Dear Mrs. Kaminer:

I own the property at 6205 Bedford Street in the Village of Fairfax. On July 18, 2001 my property experienced tremendous flood damage.

I am supportive of a US Army Corps of Engineers project that would buy out frequently flood-damaged homes on my street and others. Please accept this letter as indication on my desire to sell my property for such a purpose.

Sincerely,


Carl Jones

6209 Murray Rd.
Fairfax, Ohio 45227

March 11, 2002

Dear Jennifer Kaminer,

We own the house and property at 6209 Murray Rd., Fairfax Ohio. On July 18, 2001 this home was completely surrounded by water, and this water was about 2 inches from going in the front door. We did get about 6 inches of backup water in the basement and sustained about \$4,000.00 in damages. We do not want to take any more chances with the flooding, and so if the Project proposed by the Corps of Engineers is accepted we would very much be willing to sell the house and property at 6209 Murray Rd. We very much that this Project moves along quickly.

Sincerely,
John and Shelley Kacher

6205 Murray Rd.
Fairfax, Ohio 45227

March 11, 2002

Dear Jennifer Kaminer,

We live and own our home at 6205 Murray Rd., Fairfax Ohio. Since 1979 we have taken in water on 5 different occasions, but on July 18, 2001 we took in more water than all the other times combined. Our damage and clean-up totaled about \$10,000.00, and this doesn't count the sentimental value on the things lost. If the Project proposed by the Corps of Engineers is accepted we would very much like to sell our house and property at 6205 Murray Rd. We hope very much that this Project can be accepted, and we will have one thing less to worry about.

Sincerely,
John and Shelley Kacher

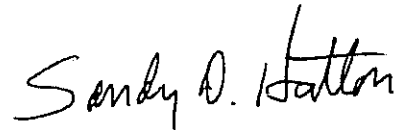
6203 Murray Rd.
Fairfax, Ohio 45227
March 8, 2002

Village of Fairfax
5903 Hawthorne Avenue
Fairfax, Ohio 45227
Attn: Jennifer Kaminer

To Whom It May Concern:

Should a buy out occur by the Corps of Engineers or NRAC, I
would be interested in selling my property located at 6203
Murray Rd. Thank You.

Sincerely,

A handwritten signature in cursive script that reads "Sandy D. Hatton". The signature is written in dark ink and is positioned above the printed name.

Sandy D. Hatton

3.15-02

Jennifer Kamenie,

I am willing to sell my property
at 6211 Murray Rd. for the purpose of the
project with the Coys. I have lived at this address
39 years. I have been promised 100% fair market
value. In knowing this, and knowing the
over all problem would cost too much, too fix,
I have to make this choice.

Constance J. Allgeyer
6211 Murray Rd.
Property Owner

Tara E. Johnson
3981 Simpson Street
Cincinnati, Ohio 45227
Phone: 513-271-9350

March 12, 2002

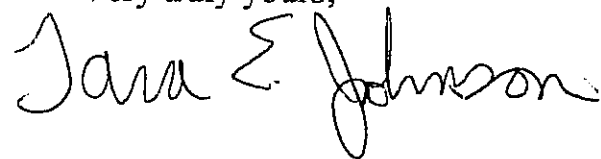
Mrs. Jennifer M. Kaminer
Village Administrator
Village of Fairfax
5903 Hawthorne Street
Cincinnati, Ohio 45227

Dear Mrs. Kaminer:

I, Tara E. Johnson, owner of the property at 3981 Simpson Street am very much interested in selling my home for the buyout.

With thanks in advance for all your assistance.

Very truly yours,

A handwritten signature in black ink that reads "Tara E. Johnson". The signature is written in a cursive style with a large, stylized "J" and "T".

Tara E. Johnson

Esther Crabtree
3979 Simpson Street
Cincinnati, Ohio 45227
Phone: 513-271-9350

March 12, 2002

Mrs. Jennifer M. Kaminer
Village Administrator
Village of Fairfax
5903 Hawthorne Street
Cincinnati, Ohio 45227

Dear Mrs. Kaminer:

I, Esther Crabtree, owner of the property at 3979 Simpson Street am very much interested in selling my home for the buyout.

With thanks in advance for all your assistance.

Very truly yours,

Esther Crabtree

Don & Sheila Traut
3993 Simpson Street
Fairfax, OH 45227
(513) 561-7929

March 9, 2002

Jennifer Kaminer
Fairfax Village Administrator
5903 Hawthorne Ave.
Fairfax, OH 45227

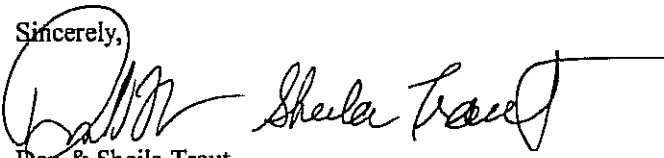
Re: Flood Buyout Project

Dear Jennifer,

We are sending this letter to you as an indication of our desire to participate in a potential buyout of our property which is located in the Little Duck Creek floodplain. Our home is located at 3993 Simpson Street, in the village of Fairfax, Ohio. In the event that proper financing can be secured to facilitate the Corps of Engineers plan, or any other similar plan to relocate residents from the floodplain, we would be willing and able to cooperate fully.

We thank you for all your efforts in this endeavor.

Sincerely,



Don & Sheila Traut

March 11, 2002

Village of Fairfax
5903 Hawthorne Avenue
Cincinnati, OH 45227
ATTN: Jennifer Kaminer, Administrator

To Whom It May Concern:

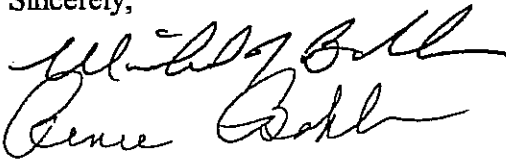
My wife, young son, and I currently reside and own the property at 3986 Simpson Street in the Village of Fairfax, Ohio. On July 17, 2001 a flash flood swept through our community, causing the death of two residents and millions of dollars in property damage to over 80 homes.

The process of obtaining aid from various government entities was initiated in August 2001 for the purpose of a buy out of homes most effected by the flood. The residents were polled regarding solutions to the on-going Little Duck Creek flood plain and were specifically asked what actions would they take to alleviate the problem. An overwhelming amount of us requested assistance in a government purchase of our homes for purposes of leveling them in order to prevent any further loss of life or significant property damage from future floods.

Both my wife and I are not only willing, but also eager to have our home purchased as soon as possible in order to facilitate and expedite this project. The project is the only feasible option available to remove us from harms way.

Should you have any questions or concerns, please feel free to contact us at 513-271-1562.

Sincerely,

The block contains two handwritten signatures in black ink. The top signature is for Michael J. Bohlen and the bottom signature is for Renee Bohlen. Both are written in a cursive, flowing style.

Michael J. and Renee Bohlen
3986 Simpson St.
Cincinnati, OH 45227

3.12.02

To whom it may concern:

I, ANDREA SPATZER, who lives at 3985 Simpson Street Cincinnati OH 45227, is definitely for a buy out. I will sell my house for the purpose of a potential project with the Army Corps of Engineers.

I feel as this is of immediate attention and that these homes need to be destroyed. We, as humans cannot live in fear any longer.

Thank you for your consideration

Andrea Spatzer

ANDREA SPATZER
3985 Simpson St.
Cincinnati, OH
45227

513-271-2156

Village of Fairfax
Attn: Jennifer Kaminer, Administrator
5903 Hawthorne Street
Fairfax, OH 45227

Dear Mrs. Kaminer:

I reside at 3987 Simpson in the Village of Fairfax. On July 18, 2001 my property and residence experienced tremendous flood damage. I have realized losses totaling approximately \$ 18,000.-20,000

over the last 38 yrs at least 50,000.00 thru all the floods

I am supportive of a US Army Corps of Engineers project that would buy out frequently flood-damaged homes on my street and others. Please accept this letter as indication on my desire to sell my property for such a purpose.

Sincerely,

Pauline M. Wilson

Village of Fairfax
Attn. Jennifer Kaminer, Administrator
5903 Hawthorne Ave.
Fairfax, Ohio 45227

Re: Clean Ohio Grant.

Dear Ms. Kaminer:

- We would very interested in discussing the sale of our home. We are a retired couple who live on a pension and social security; our house is our most valuable possession.

The last flood was devastating to our neighbors, the loss of life and serious property damage. We consider ourselves extremely fortunate. We lost everything in our basement, paneling, carpet, washer/dryer, sewing machine, and some furnace damage, none of which was covered by insurance. But fortunately no permanent structural damage to our home.

With the assistance of our children, grandchildren, Red Cross, village employees and volunteers we were able to clean everything up and get things back to normal in the shortest amount of time.

As we mentioned we consider ourselves extremely fortunate that we came thru the last flood with minor damage, in relation to our neighbors, but we are concerned about the future.

Sincerely,

Albert Pavely 3-12-02
Albert Pavely

Eileen Pavely 3-12-02
Eileen Pavely

Cathi Schellhous
3989 ½ Simpson
Fairfax, Ohio 45227
513-5618250

March 11, 2002

To Whom It May Concern:

This is a letter to inform you that I am anxiously awaiting a buyout of the houses affected during the July flood. I live at 3989 ½ Simpson, and I definitely want to be included. I am willing to do anything necessary to speed-up the process, as I am concerned about the inevitable summer rains.

A handwritten signature in cursive script that reads "Cathi Schellhous". The signature is written in dark ink and is positioned above the printed name.

Cathi Schellhous

Village of Fairfax
Attn: Jennifer Kaminer, Administrator
5903 Hawthorne Street
Fairfax, OH 45227

Dear Mrs. Kaminer:

I am the legal owner of 3983 Simpson Street in the Village of Fairfax. On July 18, 2001 my property and residence experienced tremendous flood damage.

I am supportive of a US Army Corps of Engineers project that would buy out frequently flood-damaged homes on my street and others. Please accept this letter as indication on my desire to sell my property for such a purpose.

Sincerely,

Deborah F. Davenport
March 14th, 2002
H H

03-08-02

To Whom it may concern

I have lived at 3980 Simpson St for thirty seven years , because of the continuous flooding problems during that time and especially the July 18th flood of 2001 I cannot continue to live here for fear of life and property .

Property owner

George Bowman

A handwritten signature in cursive script that reads "George Bowman". The signature is written in dark ink and is positioned below the printed name.

578752

In whom it may Concern:

This is to inform you that I, Virginia Keegan am interested in selling my home.

Thank you,

Virginia Keegan

3991 Simpson



3975 Warren Avenue
Cincinnati, OH 45227
March 16, 2002

Village of Fairfax
5903 Hawthorne Avenue
Fairfax, OH 45227

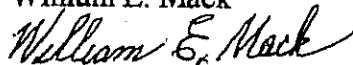
Attn: Jennifer Kaminer

We are the owners of the property at 3975 Warren Avenue in Fairfax, Ohio. Since the flooding of the Little Duck Creek in July of 2001, and the damage done to our home at that time, we have had numerous expenses and much emotional turmoil. We could not live in our home for three and a half months.

We are now in the process of buying another home and will be moving from here in a few months. Therefore, we would be more than willing to sell our property on the basis of a fair market value.

Sincerely,

William E. Mack



Doris A. Mack



March 12, 2002

Robert & Jeanne Perkins
3986 Warren Ave.
Cincinnati, Ohio 45227

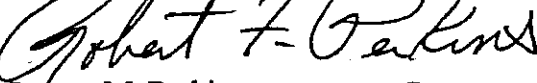
To Whom It May Concern:

I Robert and Jeanne Perkins owner's of property at 3986 Warren Ave. are very much interested in selling our home for the buy-out.

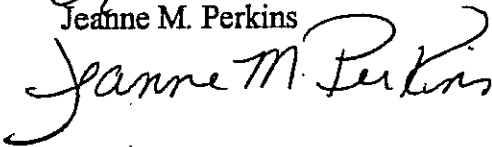
As long as buy-out price is agreeable to us.

Sincerely,

Robert F. Perkins

A handwritten signature in cursive script that reads "Robert F. Perkins".

Jeanne M. Perkins

A handwritten signature in cursive script that reads "Jeanne M. Perkins".

March 12, 2002

Stanley & Bettye Willett
3984 Warren Ave.
Cincinnati, Ohio 45227

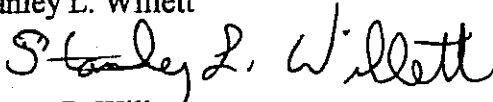
To Whom It May Concern:

I Stanley and Bettye Willett owner's of property at 3984 Warren Ave. are very much interested in selling our home for the buy-out.

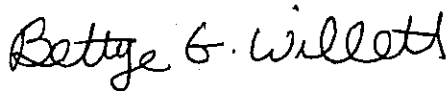
As long as the buy-out price is agreeable to us.

Sincerely,

Stanley L. Willett

A handwritten signature in cursive script that reads "Stanley L. Willett". The signature is written in dark ink and is positioned above the printed name.

Bettye G. Willett

A handwritten signature in cursive script that reads "Bettye G. Willett". The signature is written in dark ink and is positioned below the printed name.

Robert F. Henry
3979 Warren Avenue
Cincinnati, Ohio 45227
Phone: 513-561-6681

March 12, 2002

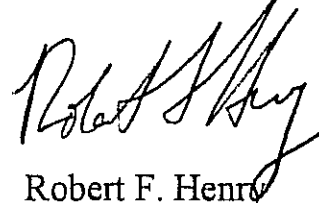
Mrs. Jennifer M. Kaminer
Village Administrator
Village of Fairfax
5903 Hawthorne Street
Cincinnati, Ohio 45227

Dear Mrs. Kaminer:

I, Robert F. Henry, owner of the property at 3979 Warren Avenue am very much interested in selling my home for the buyout.

With thanks in advance for all your assistance.

Very truly yours,



Robert F. Henry

Laumann's
3763 Nightingale Dr.
Cincinnati, Ohio 45227

10 March 2002

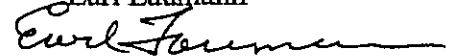
To Whom It May Concern:

I am very willing to sell the property located at 3982 Warren Avenue. My family and I never want to go through another flood like this again.

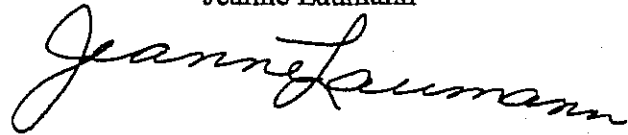
We have fixed up this home, to make it a very nice place and would like to see fair market value for it.

Thanks,

Earl Laumann

A handwritten signature in cursive script, appearing to read "Earl Laumann", written in dark ink.

Jeanne Laumann

A handwritten signature in cursive script, appearing to read "Jeanne Laumann", written in dark ink.

March 28, 2002

Mrs. Jennifer M. Kaminer
Village Administrator
Village of Fairfax
5903 Hawthorne Street
Cincinnati, Ohio 45227

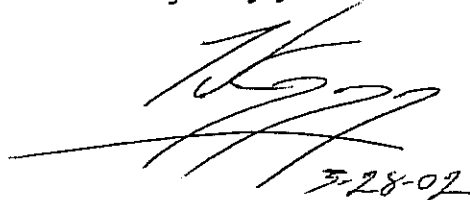
Dear Mrs. Kaminer:

I, Luke Germann owner of the property at

3976 Warren Ave.

am very interested in selling my home for the buyout.

Very truly yours,



3-28-02

MARCH 14, 02

TO THE VILLAGE OF FAIRFAX

THIS LETTER IS TO INFORM YOU
THAT I AM READY & WILLING TO
PARTICIPATE IN THE BUY OUT OF
THE HOMES IN THE FLOOD PLAIN.
MY HOME IS DESIGNATED TO BE
BOUGHT OUT AS PER THE CORPS
OF ENGINEERS RECOMMENDATION.
MY HOPE IS THAT THIS IS DONE
SOONER RATHER THAN LATE. WE
CANNOT AFFORD TO SUFFER THIS
DEVISTATION AGAIN.

THANK YOU

Joan Rungy

JOAN RUNGY

3980 WARREN AVE

FAIRFAX, OH 45227

DRAFT RESOLUTION OF SUPPORT

RESOLUTION R3-2002

A RESOLUTION AUTHORIZING THE ADMINISTRATOR AND CLERK-TREASURER TO FILE AN APPLICATION WITH THE OHIO PUBLIC WORKS COMMISSION FOR CLEAN OHIO FUNDS, AND DECLARING AN EMERGENCY

WHEREAS, the State of Ohio has allowed for the issuance of Clean Ohio Grant Funds for Program Year 2002 for the purpose of open space preservation and riparian corridor restoration;

WHEREAS, the Natural Resource Advisory Council (NRAC) of Hamilton County is the recipient of Clean Ohio Funds from the Ohio Public Works Commission (OPWC); and

WHEREAS, the Village of Fairfax may apply for funding under the Clean Ohio Program as part of the Hamilton County NRAC allocation for open space or riparian corridor restoration.

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of Fairfax, State of Ohio, that:

SECTION I: The Council of the Village of Fairfax does hereby endorse and support the application for Clean Ohio Funds for the purpose of riparian corridor restoration of Little Duck Creek within the Village.

SECTION II: The Administrator and Clerk-Treasurer are hereby authorized and directed to file and application with the Natural Resource Advisory Council (NRAC) of Hamilton County for OPWC funding under the Clean Ohio Grant Program for 2002.

SECTION III: This Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, health, safety and general welfare and shall be effective immediately. The reason for said declaration of emergency is to submit an application for Clean Ohio Funds within the period of application.

Passed this 15th day of April, 2002.

Mayor

ATTEST:

Clerk-Treasurer

CERTIFICATE

I hereby certify this to be a true and correct copy of Resolution R3-2002 passe at a meeting of the Council of the Village of Fairfax on this 15th day of April, 2002.



THE OHIO PUBLIC WORKS COMMISSION
65 East State Street, Suite 312, Columbus, Ohio 43215-4213

COMMISSIONERS

Chair -
Steven E. Stivers

John L. Frola, Jr
Blair A. Hillyer
James F. Mears
William J. Schottenstein
James W. Sumner
Joseph B. Williams

DIRECTOR

W. Laurence Bicking

10/01/2002

Jennifer M. Kaminer
Administrator
The Village of Fairfax
5903 Hawthorne Avenue,
Fairfax, OH 45227

Subdivision Code : 061-25942

Dear Ms. Kaminer,

Your request for financial assistance from the Ohio Public Works Commission has been approved for the project entitled **Little Duck Creek Restoration** in the amount of \$ **314,348**. This **Grant** has been assigned project number **CBAAF**. Please use this number when calling or writing our office.

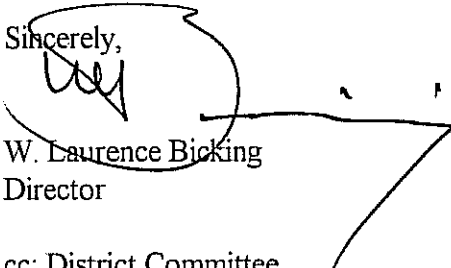
The enclosed Project Agreement defines **The Village of Fairfax's** responsibilities in accepting this financial assistance. Please review it carefully to ensure that the project has been accurately described and defined throughout the agreement's appendices. If any errors are found, or if any information needs to be updated, please contact us immediately.

Please execute the Project Agreement by signing both copies. **You must return one fully executed copy to the Commission within forty-five (45) days**, and retain the other for your files. This project may not proceed with acquisition, construction or purchase of materials, **until you have completed the following**; 1) returned one executed copy of the agreement to OPWC, 2) prepared and sent to OPWC a "Request to Proceed" 3) received approval from OPWC on your "Request to Proceed"

The Project Manager and Chief Financial Officer named in the agreement will each receive a separate mailing that explains their respective duties regarding project implementation. The Project Manager has also received a reference copy of the enclosed Project Agreement for their records. All of our project management related documents for the Clean Ohio Program are located at our Web page at www.pwc.state.oh.us. Once there, click on the link titled "**Clean Ohio Program**".

If you have any questions about any aspect of the program, please do not hesitate to call your Program Representative, **Rob White**, at **614/752-9344**.

Sincerely,


W. Laurence Bicking
Director

cc: District Committee

614-466-0880
www.pwc.state.oh.us